

20020920.qrp v02\_n684.qrl.20020920

Date: Fri, 20 Sep 2002 19:03:11 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2684

QRP-L Digest 2684

Topics covered in this issue include:

- 1) [135551] RE: eHam surprise  
by Nick Kennedy <nkennedy@tcainternet.com>
- 2) [135552] Re: ChipQuick kit (de ken n9vv)  
by "Mike Yetsko" <myetsko@insydesw.com>
- 3) [135553] RE: eHam surprise  
by W2AGN <w2agn@w2agn.net>
- 4) [135554] I saw George over at eHam too!  
by "Bill, N4QA" <n4qa@hotmail.com>
- 5) [135555] Power Connector Ideas?  
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 6) [135556] RE: Rock-Mite Kicks Atmosphere & conjugate match  
by Nick Kennedy <nkennedy@tcainternet.com>
- 7) [135557] Re: Power Connector Ideas?  
by Garey Barrell <k4oah@mindspring.com>
- 8) [135558] Re: Fence wire for antennas??  
by William R Colbert <w5xe@juno.com>
- 9) [135559] Re: Power Connector Ideas?  
by "Chetan Bhargava" <wiz@bhargavaz.net>
- 10) [135560] Re: Fence wire for antennas??  
by JD Delancy <W1JD@drix.net>
- 11) [135561] Crawling out of the woodwork.... Re: Collectables ...  
by Paul Valko <w8kc@comcast.net>
- 12) [135562] Re: enclosures - White Mtn.?  
by "Doug Hauff" <dhauff@digitalputty.com>
- 13) [135563] Re: Power Connector Ideas?  
by Lew Paceley <lew@paceley.com>
- 14) [135564] Shears  
by "Richard Johnson" <richard\_johnson@credence.com>
- 15) [135565] Steel fence wire pro and con  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 16) [135566] Re: I saw George over at eHam too!  
by Lew Paceley <lew@paceley.com>
- 17) [135567] Icom IC-V8 HT Question  
by "Bill Dittrich" <rwddittrich@hotmail.com>
- 18) [135568] Re: Power Connector Ideas?  
by "Mike Yetsko" <myetsko@insydesw.com>
- 19) [135569] RE: Fence wire for antennas??

by Nick Kennedy <nkennedy@tcainternet.com>

20) [135570] Re: Weights For the "E-Z Hang"  
by "Tom" <thom2@worldnet.att.net>

21) [135571] Re: 12 volt portable power source.  
by "rmcnelly@cox.net" <rmcnelly@cox.net>

22) [135572] Boise Idaho-area QRP meeting  
by "Mike KW1ND" <kw1nd.web@homeinternet.net>

23) [135573] Re: I saw George over at eHam too!  
by "Bill, N4QA" <n4qa@hotmail.com>

24) [135574] Weights For the "E-Z Hang"  
by "W2WU" <w2wurjj@verizon.net>

25) [135575] Calling CQ QRP Afield?  
by "Dave Ek" <ekdave@earthlink.net>

26) [135576] UPDATED: the Rock-Mite Files -- Rock Hunt Info  
by "Rod N0RC" <rod@n0rc.us>

27) [135577] WF3P IN MO.  
by "Jerry Ford" <benlightnd13@mchsi.com>

28) [135578] Re: [Re: Rock-Mite Kicks Atmosphere]  
by Bob Nielsen <nielsen@oz.net>

29) [135579] Re: Power Connector Ideas?  
by Bob Nielsen <nielsen@oz.net>

30) [135580] Re: Plated-Thru Hole Blues  
by Bob Nielsen <nielsen@oz.net>

31) [135581] Re: UPDATED: the Rock-Mite Files -- Rock Hunt Info  
by "Rod N0RC" <rod@n0rc.us>

32) [135582] THIRTY milliwatts, SW VA to TX with Rock-Mite-20! Now it's gettin'  
interesting!  
by "Bill, N4QA" <n4qa@hotmail.com>

33) [135583] Re: Shears  
by Nelson Winter <thenels@go.com>

34) [135584] Re: Calling CQ QRP Afield?  
by "Bob Tellefsen" <n6wg@earthlink.net>

35) [135585] Rock Mite Report  
by "bob baxter" <rbaxter@cybertrails.com>

36) [135586] Re: Shears  
by "John McClain" <digi2@earthlink.net>

37) [135587] "Anderson PowerPole"  
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>

38) [135588] Re: "Anderson PowerPole"  
by "John McClain" <digi2@earthlink.net>

39) [135589] What was that again?  
by "Jerry Ford" <benlightnd13@mchsi.com>

40) [135590] Re: Plated-Thru Hole Blues  
by "Leon Heller" <leon\_heller@hotmail.com>

41) [135591] Re: Homemade soldermask?  
by "Leon Heller" <leon\_heller@hotmail.com>

42) [135592] Wanted: QRP Quarterly articles  
by Ingo Meyer DK3RED <dk3red@gmx.net>

- 43) [135593] Re: Shears  
by "John J. McDonough" <wb8rcr@arrl.net>
- 44) [135594] RE: Shears (The base board, NOT the "pads")  
by Karl Kanalz <kkanalz@gcecispc.com>
- 45) [135595] Re: "Anderson PowerPole"  
by "John O. Newell" <jnewell@attbi.com>
- 46) [135596] Re: Shears  
by Mike Czuhajewski <wa8mcq@comcast.net>
- 47) [135597] FS: OHR 40m Explorer II tranceiver  
by Randy <wrmoore47@comcast.net>
- 48) [135598] Re: Power Connector Ideas?  
by W2EB <w2eb@twcnv.rr.com>
- 49) [135599] Re: Shears (The base board, NOT the "pads")  
by John Zaruba <jzaruba@mac.com>
- 50) [135600] A use for a can?  
by "Leon Heller" <leon\_heller@hotmail.com>
- 51) [135601] PCB orders for cystal checker and ladder filter  
by "Leon Heller" <leon\_heller@hotmail.com>
- 52) [135602] Re: Fence wire for antennas??  
by "Jim Stamper" <jstamper@shentel.net>
- 53) [135603] Re: Shears  
by "E. Roswell" <eroswell@monmouth.com>
- 54) [135604] Re: A use for a can?  
by David Hinerman <WD8CIV@worldnet.att.net>
- 55) [135605] Re: "Anderson PowerPole"  
by "Tim, N9PUZ" <n9puz@arrl.net>
- 56) [135606] Fw: UPDATED: the Rock-Mite Files -- Rock Hunt Info  
by "Rod N0RC" <rod@n0rc.us>
- 57) [135607] Re: I saw George over at eHam too!  
by "JAKidz" <jakidz@pullman.com>
- 58) [135608] Re: Fence wire for antennas??  
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 59) [135609] Re: Shears  
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 60) [135610] 144Mhz CW  
by k4vib@att.net
- 61) [135611] Re: Wanted: QRP Quarterly articles (TNX)  
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 62) [135612] OT: Antennas .....  
by "Walt Amos" <k8cv@netzero.net>
- 63) [135613] Re: Plated-Thru Hole Blues  
by Bruce Muscolino <w6toy@erols.com>
- 64) [135614] Re: 144Mhz CW  
by "Jeff Mitchell" <jeffmit@datastratinc.com>
- 65) [135615] Re: 144Mhz CW  
by Garey Barrell <k4oah@mindspring.com>
- 66) [135616] Re: Power Connector Ideas?  
by "George, W5YR" <w5yr@att.net>

- 67) [135617] Re: Weights For the "E-Z Hang"  
by Bruce Muscolino <w6toy@erols.com>
- 68) [135618] Re: 144Mhz CW  
by Dave Sjolin <sjolin@swbell.net>
- 69) [135619] Re: Shears  
by Chuck Adams <k7qo@earthlink.net>
- 70) [135620] Re: OT: Antennas .....  
by "George, W5YR" <w5yr@att.net>
- 71) [135621] Re: Shears  
by "John\_Evans" <jaevas@codenet.net>
- 72) [135622] Re: OT: Antennas .....  
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 73) [135623] Re: 144Mhz CW  
by "Leon Heller" <leon\_heller@hotmail.com>
- 74) [135624] My Rock-Mite can Roar  
by dave f epps <dave\_epps@juno.com>
- 75) [135625] FS or Trade: Basic Stamp Development Kit  
by Patrick Gardella <pgardella@yahoo.com>
- 76) [135626] RE: CQ fm EA5 agn!  
by "Juanjo Pastor" <ec5aca@wanadoo.es>
- 77) [135627] Binaural Receivers anyone experimenting ?  
by <stanw@toxosor.com>
- 78) [135628] Re: Shears  
by Chuck Adams <k7qo@earthlink.net>
- 79) [135629] Re: A use for a can?  
by "Jim Stamper" <jstamper@shentel.net>
- 80) [135630] RE: Binaural Receivers anyone experimenting ?  
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 81) [135631] RE: Binaural Receivers anyone experimenting ?  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 82) [135632] RE: Binaural Receivers anyone experimenting ?  
by David Hinerman <WD8CIV@worldnet.att.net>
- 83) [135633] RE: Binaural Receivers anyone experimenting ?  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 84) [135634] Re: Binaural Receivers anyone experimenting ?  
by "Paul Christensen" <w9ac@arrl.net>
- 85) [135635] RE: Binaural Receivers anyone experimenting ?  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 86) [135636] Re: Binaural Receivers anyone experimenting ?  
by Jake Brodsky <frussle@erols.com>
- 87) [135637] Re: Binaural Receivers anyone experimenting ?  
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 88) [135638] Re: Binaural Receivers anyone experimenting ?  
by David Hinerman <WD8CIV@worldnet.att.net>
- 89) [135639] MOBILE PWR/CONNECTORS  
by "W2WU" <w2wurjj@verizon.net>
- 90) [135640] RE: Power Connector Ideas?  
by "Tracy Markham" <tracy@bytemark.com>

- 91) [135641] ANT: Supporting Portable Masts  
by "Jerry Bartachek" <leadsheet@musician.org>  
92) [135642] Re: ANT: Supporting Portable Masts  
by "Tim, N9PUZ" <n9puz@arrl.net>  
93) [135643] Re: 144Mhz CW  
by "KB0VCC" <kb0vcc@adelphia.net>  
94) [135644] Re: [Milsurplus] What is it with some of these European guys?  
by "W2WU" <w2wurjj@verizon.net>  
95) [135645] Re: 144Mhz CW  
by "W2WU" <w2wurjj@verizon.net>  
96) [135646] Re: 144Mhz CW  
by Dave Sjolin <sjolin@swbell.net>  
97) [135647] Re: Icom IC-V8 HT Question  
by Brian Bowman <b Bowman@amgen.com>  
98) [135648] Unscheduled CQ with Rock-Mite-20 at 30 mW out...ANSWERED!  
by "Bill, N4QA" <n4qa@hotmail.com>  
99) [135649] Re: A use for a can?  
by "Bob Tellefsen" <n6wg@earthlink.net>  
100) [135650] Re: Shears  
by "Howard Kraus" <K2UD@adelphia.net>  
101) [135651] Re: Power Connector Ideas?  
by "Mike Yetsko" <myetsko@insydesw.com>  
102) [135652] Re: Antennas .....  
by "Trevor Jacobs" <kg6cyn@earthlink.net>  
103) [135653] Re: OT: Antennas .....  
by Rick McKee <kc8aon@juno.com>  
104) [135654] OT FROM NASA Fw: Mystery Object Orbits Earth  
by "W2WU" <w2wurjj@verizon.net>  
105) [135655] RS PCB  
by "W2WU" <w2wurjj@verizon.net>

-----  
Date: Thu, 19 Sep 2002 17:57:35 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135551] RE: eHam surprise  
Message-ID: <01C26006.09BAC2E0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

By the time I got there to check out George in all his glory, he'd already been replaced by my 20-miles-down-the-road neighbor, AC5CH, who happens to have a beautiful boatanchor station, BTW.

But unfortunately, eHam doesn't provide a button to let you view previously featured shack photos.

72--Nick, WA5BDU

-----Original Message-----

From: Kenneth Hoglund [SMTP:hoglund@wfu.edu]

But logging on this am showed a shack we could all envy--our 'own'  
George W5YR's shack is featured at the top right.

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Date: Thu, 19 Sep 2002 18:55:30 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <khopper@uchicago.edu>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135552] Re: ChipQuick kit (de ken n9vv)  
Message-ID: <00d301c2602f\$c44b6500\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Ken Hopper" <khopper@uchicago.edu>

> Found this on Google  
> <http://www.emulation.com/cq2000/>

That looks like a pretty complete industrial kit. I've picked up small  
'tubes' of the ChipQuik stuff at trade shows for free, and have been  
told by others it's available in small quantities for \$10 or so.

Mike

-----  
Date: Thu, 19 Sep 2002 19:07:04 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: Nick Kennedy <nkennedy@tcainternet.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135553] RE: eHam surprise  
Message-ID: <3D8A2058.31529.1B7824E3@localhost>  
MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 19 Sep 2002 at 17:57, Nick Kennedy wrote:

> By the time I got there to check out George in all his glory, he'd already  
> been replaced by my 20-miles-down-the-road neighbor, AC5CH, who happens to  
> have a beautiful boatanchor station, BTW.

They must change those things every hour.

--

/ \ / \ / \ / \ / \ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_ / \\_ / \\_ / \\_ / \\_ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Thu, 19 Sep 2002 19:33:06 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [135554] I saw George over at eHam too!  
Message-ID: <F62diixjnzi95HfqR77000000b2@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I was so surprised, I saved George on a machine at work before his image was shipped off to the circular bit bucket again.

Not a bad looking fellow, guys...for a ham, I mean :)

In the photo, George is posing behind his favorite gear with a very proud smile on his face.

Drats, I can't figure out how to transfer George to my home machine...no email at work...smart filter kicks in and all that...not supposed to have internet there at all :) disk drives disabled...aargh!

Darned network administrators...

Guess I'll just have to wait 'til George pops up at eHam again when I'm at home...wanna show the wife the kind of guys I hang with...she's not sure about 'us' at all...

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

-----  
Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

-----  
Date: Thu, 19 Sep 2002 18:44:55 -0500  
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [135555] Power Connector Ideas?  
Message-ID: <4120029419234455615@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Am planning on pulling some power cables from the battery of my van through the fire wall to the dashboard. What kind of panel and connectors would be good for this project? Also, what kind of cable would be optimum.

NOTE: I don't plan to be moving while operating. Just want to have good strong/stable power, rather than plugging into the cigarette lighter. Ideas?

Thanks in advance.

73,  
--Doc/K0EVZ

-----  
Date: Thu, 19 Sep 2002 18:56:05 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'w2agn@w2agn.net'" <w2agn@w2agn.net>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135556] RE: Rock-Mite Kicks Atmosphere & conjugate match  
Message-ID: <01C2600E.35AAF480.nkennedy@tcainternet.com>  
MIME-Version: 1.0



Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hey, that conjugate match thing cause such consternation on the list that I've developed a new matching system. I call it the Celibate Match. The coax doesn't actually plug into the rig or tuner. You won't work many stations, but the SWR on the line is very low.

72--Nick, WA5BDU

-----Original Message-----

From: W2AGN [SMTP:w2agn@w2agn.net]

Hey, an 88' piece of wire can still be QRP, if your match isn't conjugal. But a 110' tower with 4 element monobander? Where are the QRP police when you need them?

/ \ / \ / \ / \ / \ John L. Sielke

-----  
Date: Thu, 19 Sep 2002 19:53:48 -0400  
From: Garey Barrell <k4oah@mindspring.com>  
To: dock0evz@earthlink.net,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135557] Re: Power Connector Ideas?  
Message-ID: <5.1.0.14.0.20020919195147.00a1a080@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hmmmmm. Now why would a QRP'er need more power than he could get through the lighter??.....

73, Garey - K40AH  
Atlanta

At 07:44 PM 9/19/2002, Doc Lindsey K0EVZ wrote:

>Gang:

>

>NOTE: I don't plan to be moving while operating. Just want to have good

>strong/stable power, rather than plugging into the cigarette lighter.

>Ideas?

>73,  
>--Doc/K0EVZ

-----  
Date: Thu, 19 Sep 2002 17:58:49 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [135558] Re: Fence wire for antennas??  
Message-ID: <20020919.175852.-381303.23.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Back in the late 50's when living no closer than 100 miles to the nearest radio store, the local hardware store had a quarter mile of fence wire for 6 or 7 dollars. I used that for end fed wires, dipoles where the insulators were the rings pulled off cola bottles and connections were made with screws, washers and nuts and then painted for corrosion protection. In the 70's Phil Rand W1DBM constructed an 8 element phased vertical array for 20 meters and he used rolls of the electric fence wire for the radial systems. He used acid core solder for connections of the various radial crossings, etc and when finished, prior to covering with dirt, he brushed the soldered joints with baking soda to neutralize the acid resulting in good, solid connections. I suggest that if you don't want to do the solder bit, use the galvanized hardware and coat it with electrical sealer such as the liquid tape or similar.

73  
Ray  
"Politicians are like nappies. Both should be changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M  
SOC#78 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

-----  
Date: Thu, 19 Sep 2002 16:58:58 -0700  
From: "Chetan Bhargava" <wiz@bhargavaz.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135559] Re: Power Connector Ideas?  
Message-ID: <019401c26038\$92ddce00\$2701a8c0@chetan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

For UHF/VHF mobile rigs ARRL has a recommended connector. ARRL has recommended this for portability and compatibility of the equipment in emergency. The Radio Shack part numbers are 274-151 (male), 274-154 (female). It is a polarized connector with a power rating of 8A. Check ARRL handbook or see this link  
<http://www.cookiearrangements.com/AmateurRadio/std-cnx.htm>

73,

Chetan Bhargava  
KG6NFG  
[www.bhargavaz.net](http://www.bhargavaz.net)

----- Original Message -----

From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, September 19, 2002 4:44 PM  
Subject: Power Connector Ideas?

> Gang:  
>  
> Am planning on pulling some power cables from the battery of my van  
through  
> the fire wall to the dashboard. What kind of panel and connectors would  
be  
> good for this project? Also, what kind of cable would be optimum.  
>  
> NOTE: I don't plan to be moving while operating. Just want to have good  
> strong/stable power, rather than plugging into the cigarette lighter.  
> Ideas?  
>  
> Thanks in advance.  
>  
> 73,  
> --Doc/K0EVZ  
>  
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>

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Date: Thu, 19 Sep 2002 20:15:27 -0400  
From: JD Delancy <W1JD@drix.net>  
To: haf47@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135560] Re: Fence wire for antennas??  
Message-ID: <3D8A689F.8B06619B@drix.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

Howard

Howard Friedman wrote:

> I just picked up a spool of 2500 feet of steel electric fence wire for \$4  
>  
> After discussing this with a ham friend I am left with the impression  
> that using this steel wire not only might end the world as we know it,

Don't believe it. I bought a new roll of electric fence wire from Southern States,  
1/2 mile of the stuff, for something like 15 bucks, 8-10 years ago. I put up two long wires that run out thru the woods and an Inverted Vee for 80 meters at 85 feet on the tower at about the same time. I used ladder line on the Inverted Vee and end fed the long wires with a chunk of insulated wire. All three have been up for at least 8 years and still work just fine. It's a little hard at first to get a good solder joint with the stuff, but a bigger iron solved that problem.

> but will forever label me as the wrong end of a horse.

I don't think so..

jd

-----  
Date: Thu, 19 Sep 2002 20:19:41 -0400  
From: Paul Valko <w8kc@comcast.net>  
To: jbcumming@wwdc.com,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [135561] Crawling out of the woodwork.... Re: Collectables ...  
Message-ID: <000701c2603b\$6a426bb0\$6401a8c0@p4main>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

> While we QRP folk "celebrate" modifications and home-brew enhancements  
> to new QRP rigs, we frequently "devalue" classic qrp gear which has  
> undergone similar modification!

Nice message John, and I'm not taking any offense... Obviously there is nothing at all wrong with mods to radios. Anyone who reads the W8KC Museum page knows that as much as I love those little plastic boxes from Tennessee, a lot of the charm stems from the quirky designs and operating techniques of the gear.

Much like your classic car analogy, I am speaking strictly in terms of "collectability" as a historical artifact. Not in operability. It's also key to note that we concur that collecting a rig for the sake of locking it up and never letting another electron through it is ghastly. All my rigs get at least one qso put through them each year. Yes... it's a struggle to make a contact with a PowerMite at 10pm on 40M. But we're QRP ops and enjoy a challenge.

> By the way, if W8KC takes my advice to heart and decides to unload his perfect ten tec gear, I sure hope he calls me first ;^)

Ah.... they're not all perfect. Some of them (a lot of them!) are... shall we say, well loved. And there ain't nothin' wrong with that.

73! =paul= W8KC  
Collector of Ten\*Tecs and Other Fine Plastics.  
Visit the Virtual Ten\*Tec Museum at <http://mywebpages.comcast.net/w8kc>

-----  
Date: Thu, 19 Sep 2002 17:36:06 -0400  
From: "Doug Hauff" <dhauff@digitalputty.com>  
To: "sstutman" <sstutman@UMassD.Edu>  
Cc: <qrp-l@lehigh.edu>  
Subject: [135562] Re: enclosures - White Mtn.  
Message-ID: <000c01c26024\$b6797ee0\$3e393442@dhauff>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Steve,

As it happens, i have one of Dave's WM rigs, 40M, & like every other of his kits I've done, worked perfect right out of the gate...i cobbled together a sheet-metal box as my first project with my little shear/brake, as a board that size is way too big to be practical for a hogout enclosure....the sheet-metal cases I have run production on have been nothing but problems...The Rock Mite got me stoked 'cause it is just the right size to make a CNC hogout practical - I ain't making a killing, but I get paid for spindle time (the rest is "hobby")...So best thing is just get a standard box & fit it...sorry...I have lost my but on similar stuff!

72, Doug KE6RIE

----- Original Message -----

From: "sstutman" <sstutman@UMassD.Edu>

To: <dhauff@digitalputty.com>

Sent: Wednesday, September 18, 2002 11:50 PM

Subject: enclosures

> Hi,

>

> Any thought of doing enclosure for "White Mountain" SB rigs by Dave?

>

> 73,

> Steve

> KL7JT/1

>

>

-----  
Date: Thu, 19 Sep 2002 19:54:06 -0500

From: Lew Paceley <lew@paceley.com>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Cc: Doc Lindsey <dock0evz@earthlink.net>, Lew Paceley <lew@paceley.com>

Subject: [135563] Re: Power Connector Ideas?

Message-ID: <001201c26040\$38dbd660\$6501a8c0@swbell.net>

MIME-version: 1.0

Content-type: text/plain; charset=Windows-1252

Content-transfer-encoding: 7BIT

Hi Doc,

I've gone over to Andersen Powerpoles in the whole shack and car. One system for all radios (except those that run on 110V AC!). The beauty

of the Andersen Powerpole system is that there are no male/female connectors, Powerpoles can be crimped or soldered (or both!) and Powerpoles support up through 45A easily. Try here:

<http://www.qsl.net/nnars/powrpole.html>  
<http://www.powerwerx.com/category.asp?CtgID=1001>

The RIRunner is a fused Powerpole distribution system, and would probably be my choice if I were going to use a power distribution panel:

<http://www.westmountainradio.com/RIRunner.htm>  
<http://www.westmountainradio.com/supportrr.htm>

Generally I just assemble "splitters" as needed while paying attention to the amperage ratings for the cable and connectors. I tend to individually fuse my rigs "tight" to their max current consumption and the RigRunner system requires the use of ATC (blade) style automotive fuses. I've only found the ATC fuses in 1A, 3A, 5A, 10A, 15A, 20A, etc. values. That aside, the Rigrunner 4005 looks like it could be a nice little power panel for the car:

<http://www.powerwerx.com/category.asp?CtgID=1841>

I'm a satisfied Powerwerx customer but I have no other commercial relationship with Powerwerx or West Mountain Radio. GL es

72/73,  
\*Lew\*  
N5ZE

-----  
Date: Thu, 19 Sep 2002 17:59:17 -0700  
From: "Richard Johnson" <[richard\\_johnson@credence.com](mailto:richard_johnson@credence.com)>  
To: Low Power Amateur Radio Discussion <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [135564] Shears  
Message-ID: <3D8A72E5.834DC744@credence.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Group,  
I am looking for a small desk top, lever operated shear to cut blank PCB

material nice and clean.

Any one know a web site to buy such a thing.  
Or how do you cut pcb for Manhattan style construction.

cheers,  
rich

-----  
Date: Thu, 19 Sep 2002 20:02:31 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <haf47@juno.com>, <qrp-1@lehigh.edu>  
Subject: [135565] Steel fence wire pro and con  
Message-ID: <006f01c26041\$659f88d0\$4e100a0a@rohredt2000>

If you stay on this list long enough electric fence wire always comes up. I was an early user of steel wire, for antennas, galavanized guy wire at that, for it was cheap in 1958. It works but is heck to solder, (oh those fumes).

It also has higher losses from resistance than copper antenna wire. This could matter for QRP use.

Steel fence wire, is sometimes copper plated for electric fences. Some who reported to the list in the past; stated it rusts in about a year, and then you have problem joints in your antenna. If you do good joints the first time, maybe that is not a major concern. I have a commercial antenna that uses a wire in its construction, and for whatever reason, (strength?) they had one strand of steel wire with others of copper. The plated steel did rust after a couple years, and now must soon be replaced as it is corroding in two, and untwisting from the other strands.

Some use steel wire for temporary and Field Day antennas. My advice is since you have it, use it with the above cautions in mind. There is nothing to beat having a rhombic, horizontal vee beam, oversized 2 wave or more horizontal loop, or really long Double Extended Zepp doublet to try out when you have the room.

Our local club found two cheap copper sources: Home Depot PVC covered house wire 14 gauge, and surplus copper enamel 14 gauge from a transformer or motor manufacturer. 14 gauge conduit house wire is only about \$15 for 500 feet. I think we got 2000 feet of surplus copper enamel for \$25! Sure both are soft wires and will stretch some in first use, but when you get the stretch out, they will be fine for the antenna use. We reuse the Inverted Double Extended Zepps, and they are on third year, with no problems. We keep them rolled up in a plastic case for travel to sites. Same for loops of the copper enamel.



I think one of the big three ham mags (QST, CQ, 73), had a piece in last 10 years on use of copper plated electric fence wire for antennas. It said everything said on the list in past postings, so check QRP-L archives.

Just check your connections yearly and minimize splices; or do them with protective coating against the elements, and report back on your DX with the rhombic! Another idea is get a can of that plastic goop they dip tool handles in to insulate them and precoat your antenna legs. Probably a time consuming job, but might prolong the steel lifetime.

72, Stuart K5KVH

-----  
Date: Thu, 19 Sep 2002 20:06:26 -0500  
From: Lew Paceley <lew@paceley.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135566] Re: I saw George over at eHam too!  
Message-ID: <001e01c26041\$f1b4e4a0\$6501a8c0@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=Windows-1252  
Content-transfer-encoding: 7BIT

Hi Bill,  
You can find George's smiling visage here as well as a few of his partners in crime:

[http://www.angelfire.com/tx4/netxqrpclub/mem\\_gallery.html](http://www.angelfire.com/tx4/netxqrpclub/mem_gallery.html)

I'm not sure this will help with your XYL, though ;-) Have fun!

72/73,  
\*Lew\*  
N5ZE

-----  
Date: Thu, 19 Sep 2002 21:36:40 -0400  
From: "Bill Dittrich" <rwdittrich@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [135567] Icom IC-V8 HT Question  
Message-ID: <F71E2FGwQ21ju2iDL6e0000b6c4@hotmail.com>

Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Howdy All,  
I'm not much up on HT's. Can you use the Icom V8 while it's sitting in the drop-in charger (using a plug-in speaker/mike and ext ant)? Or would this damage the HT, charger? TIA!  
73,  
Bill D  
KC2KFO

-----  
Join the world s largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

-----  
Date: Thu, 19 Sep 2002 21:32:13 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <dock0evz@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135568] Re: Power Connector Ideas?  
Message-ID: <008401c26045\$8f7f74e0\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>

> Gang:  
>  
> Am planning on pulling some power cables from the battery of my van  
through  
> the fire wall to the dashboard. What kind of panel and connectors would  
be  
> good for this project? Also, what kind of cable would be optimum.  
>  
> --Doc/K0EVZ

Well, I KNOW this is going to get into a 'PowerPole' debate. That's almost religious with some people. And yes, they ARE a good connector. But weigh your options on this.

I've been thinking of going PowerPole. It would make it easy. But until I do, I have ALREADY (since about 1985) been using the 4-pin Molex connector. The one with 4 pins 'in line' and one end is 'triangle' shaped for polarity keying.

Why that connector? It was STOCK on my ICOMs. Over the years I just decided to use that so any and all power cords that I use I always use that. And I carry lighter plug to 4-pin. I have alligator to 4-pin (for direct battery) I have 'Y' and even a 1-to-3-way adapters using the 4-pin.

With ANY system you choose, if you want 'emergency compatibility', make sure that you carry pigtail TO your connector for a few things. And also 'you connector' TO pigtail/alligator so that you can use other rigs on your system.

Mike

-----  
Date: Thu, 19 Sep 2002 21:10:08 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'haf47@juno.com'" <haf47@juno.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135569] RE: Fence wire for antennas??  
Message-ID: <01C26020.EFACE2A0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Here's an FYI-

ORR's Radio Handbook has these resistivities--  
(Ohms/CM-FT)

Copper 10.4  
Iron 59  
Zinc 36  
Aluminum 17

Not sure how close steel is to iron, but I guess you'd expect several times as much resistive losses in the steel wire as in copper. Whether that is significant probably depends of what fraction of the radiation resistance the conductor resistance is.

But 2500 feet for four bucks? You did good!

72--Nick, WA5BDU

-----Original Message-----

From: Howard Friedman [SMTP:haf47@juno.com]

Hello to the group,

I just picked up a spool of 2500 feet of steel electric fence wire for \$4 at a garage sale, and was pretty happy about finding this item for a future rhombic project. Really would like to make one of those antennas before I move to that hamshack in the sky.

-----  
Date: Thu, 19 Sep 2002 21:01:01 -0400  
From: "Tom" <thom2@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135570] Re: Weights For the "E-Z Hang"  
Message-ID: <00d101c26041\$3ffed040\$3fdc580c@1xjhu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Friend of Bill W.

    --- If you are too, drop me a line.  
"

>Trevor Jacobs wrote:

>>

>> I don't understand why an EZ-Hang would be illegal anywhere. With a little

>> common sense, they are a very effective tool for getting a rope over a tree.

>

Here in New York you can buy a semi-automatic weapon, but not a slingshot...Maybe the NRA needs a slingshot division. (Just kidding)

Tom

-----  
Date: Thu, 19 Sep 2002 21:45:26 +0000  
From: "rmcnelly@cox.net" <rmcnelly@cox.net>  
To: Rick McKee <kc8aon@juno.com>, <qrp-1@lehigh.edu>  
Subject: [135571] Re: 12 volt portable power source.  
Message-ID: <B9AFF5F6.44618%rmcnelly@cox.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

> 2 six volt batteries will have to be wired in series to have 12 volts !

:-) Good catch! My brain has been fried all week!

72/73,

--Rick, KE4IZH  
K2#663/Sierra  
'93 ST1100  
STOC#3210  
'83 GL650i  
Chesapeake, Va

-----  
Date: Thu, 19 Sep 2002 20:17:50 -0600 (MDT)  
From: "Mike KW1ND" <kw1nd.web@homeinternet.net>  
To: <elecraft@mailman.qth.net>, <qrp-1@lehigh.edu>  
Subject: [135572] Boise Idaho-area QRP meeting  
Message-ID: <1054.216.222.113.91.1032488270.squirrel@webmail.velocitus.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Greetings, all. Just a short notice to the list of the upcoming monthly gathering of QRP-infected individuals to be held in Nampa, Idaho. The date is Saturday, August 28 at 8 am, in Lakeside Park, just off Garrity Boulevard on 16th Avenue. We meet in the pavilion on the east side of 16th, near the playground and US Army tank.

We've been meeting the past few months at the same location, and have had around half a dozen hams make it each time. We're quite low-key, meeting to talk QRP, CW and about anything else related to radio. Feel free to

bring any radio gear!

Meetings have been running about 2 hours, but no one's under any obligation to stay that long. We'd like to see more QRP types!

Please pass this on to anyone else who may be interested.

Please email me directly if you need further directions or a map.

--

73,

Mike KW1ND

Nampa, Idaho DN13qn

If you can stay calm, while all around you is in chaos...then you probably haven't completely understood the seriousness of the situation.

-----  
Date: Thu, 19 Sep 2002 22:24:57 -0400

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [135573] Re: I saw George over at eHam too!

Message-ID: <F516gx3lKy8VBDUfdfd0000033b@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Hey, Lew.

Tnx fer the link...great bunch of guys.

And believe me, it WILL help for the XYL to see my fellow hams with even more stuff in their shacks than I have in mine!

Gee, I need to borrow Martha's digital camera and get a shot or two of me and Ellie Belle up on my website...maybe even Martha will pose...that'll be the day :)

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

-----  
Join the world's largest e-mail service with MSN Hotmail.

<http://www.hotmail.com>

-----  
Date: Thu, 19 Sep 2002 22:29:44 -0400  
From: "W2WU" <w2wurjj@verizon.net>  
To: <thom2@worldnet.att.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135574] Weights For the "E-Z Hang"  
Message-ID: <000e01c2604d\$e1690660\$71c2fea9@w2wu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Not all State constitutions and systems of jurisprudence/ laws were created or are equal. Remember a gun has unique barrel milling (fingerprint). Slingshots don't. Therefore Big Brother can't trace or control them effectively. Moreover, there are different types of county government that interface with state and federal government.

Government control / tracing is paramount to the N.W.O. directives & psyops.  
73, W2WU

----- Original Message -----  
From: Tom <thom2@worldnet.att.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: 19 September, 2002 21:01  
Subject: Re: Weights For the "E-Z Hang"

>  
> Friend of Bill W.  
>     --- If you are too, drop me a line.  
> "  
>  
>  
>  
> >Trevor Jacobs wrote:  
> >>  
> >> I don't understand why an EZ-Hang would be illegal anywhere. With a  
> little  
> >> common sense, they are a very effective tool for getting a rope over a  
> tree.  
> >  
>  
> Here in New York you can buy a semi-automatic weapon, but not a  
> slingshot...Maybe the NRA needs a slingshot division. (Just kidding)  
>  
> Tom

>

-----  
Date: Thu, 19 Sep 2002 20:48:16 -0600  
From: "Dave Ek" <ekdave@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135575] Calling CQ QRP Afield?  
Message-ID: <001c01c26050\$2c7a7bf0\$8989fea9@oldman>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hey all you Afield'ers -- what are you going to use as your CQ call in the contest? CQ QRP TEST? CQ QRP AF? Inquiring testers want to know...

See you on the bands on Saturday --

73 de Dave NK0E

-----  
Date: Thu, 19 Sep 2002 21:19:03 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
      "cqcl-1" <CQCLIST@yahoo.com>  
Subject: [135576] UPDATED: the Rock-Mite Files -- Rock Hunt Info  
Message-ID: <00c801c26054\$792eba20\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

It's been 24 hours since asking for comments on the "Rock-Hound" registry format, and not a peep! (You guys OK? Not like hams to not complain ;- ) ;-)

Never the less, I did make a few refinements, Just go to the Rock-Mite files home page and follow the links. I am now ready to take entries for the Registry. Send me your CALL, QTH, and the band(s) for which you have a Rock-Mite. Example:



N0RC Ft Collins, CO 20m 40m

Thinking ahead, I made registry changes to accommodate you hopeless "mod artists", the new format has an "other" column to list other band(s). Who will be the first to whip up a 30m Rock-Mite?

So get building on the Rock-Mites, and send me those Registry entries. The Winter 02/03 Rock-Hunt starts in about 11 days! Heck, while you're at it take a few pictures and send them along for the "Rock-Pile". Might make a neat club activities, get a bunch of Rock-Mite kits, build them up, take pictures....

Dave if your reading this, brace yourself for a wave of orders. GOT PARTS? :-)

I also reorganized the "Operating" section into 2 sections: Events and Stories.

73, Rod N0RC --let the Rock-Hunting Begin!--

-----  
Date: Thu, 19 Sep 2002 22:22:14 -0500  
From: "Jerry Ford" <benlightnd13@mchsi.com>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [135577] WF3P IN MO.  
Message-ID: <00b001c26054\$eace4060\$6d74da0c@mchsi.com>

Roger:                    thanks for returning my call. I wish the band had held up so we could continue but thats the way it goes.

I'm testing an SW20+ I've just finished and was glad to get the 539 from you.

I hear what sounds like some RF in the headphones and would be interested in knowing if I am transmitting the same noise. But I guess that will wait till next time.

72 and thanks again:                    Jerry                    N0JRN

p.s. anyone else hanging around 14.060 that has propagation into MO??

I'll be around for another half hour or so calling CQ

-----  
Date: Thu, 19 Sep 2002 19:35:09 -0700  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135578] Re: [Re: Rock-Mite Kicks Atmosphere]  
Message-ID: <20020920023509.GB3161@bob.n7xy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Sep 19, 2002 at 02:32:15PM -0600, Rod N0RC wrote:

> W2AGN <w2agn@w2agn.net> wrote:  
> > On 19 Sep 2002 at 13:49, jmbrown@edge.net wrote:  
> >  
> ...  
> > >  
> > > My antenna- 4 element monoband yagi at 110 feet.  
> > > ZL4IE has wire antenna (G5RV or similar).  
> ...  
> >  
> > Everyone knows for  
> > REAL QRP you have to use a 44' wire, (preferably Radio Shack speaker  
> > wire, but fence wire is acceptable) fed with cheap twinlead, and  
> > thrown up over the nearest trees using a slingshot or spud gun.  
>  
> Or, placed in the attic of a one story home. ;-)

Or run along the fascia of a one story home with no attic or trees, but  
strict CC&Rs. Every contact I made with my DSW-40 was considered a  
great success (I have since moved).

Bob, N7XY

-----  
Date: Thu, 19 Sep 2002 19:41:41 -0700  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135579] Re: Power Connector Ideas?  
Message-ID: <20020920024141.GD3161@bob.n7xy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Sep 19, 2002 at 06:44:55PM -0500, Doc Lindsey K0EVZ wrote:

> Gang:  
>  
> Am planning on pulling some power cables from the battery of my van through  
> the fire wall to the dashboard. What kind of panel and connectors would be  
> good for this project? Also, what kind of cable would be optimum.  
>  
> NOTE: I don't plan to be moving while operating. Just want to have good  
> strong/stable power, rather than plugging into the cigarette lighter.  
> Ideas?  
>

Anderson PowerPoles.

Bob, N7XY

-----  
Date: Thu, 19 Sep 2002 19:39:03 -0700  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135580] Re: Plated-Thru Hole Blues  
Message-ID: <20020920023903.GC3161@bob.n7xy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Sep 19, 2002 at 05:04:41PM -0500, Dennis Payton wrote:

> It seems like all the kits nowadays advertise high quality boards with  
> plated-through holes. Are plated-through holes really something a builder  
> should desire? I realize there are several advantages to them, and sometimes  
> they're necessary, but to me, they're usually a pain in the neck. I like to  
> have the freedom to easily connect & disconnect wires, and install & remove  
> components. I seldom had trouble with the cheaper boards, except for lifting  
> a solder trace once & a while, and that was simple to deal with. But with  
> plated-through holes, I believe you're immediately limited as to what you  
> can do, and if you need to make a change, a lot of the time you spend on the  
> project may be spent clearing holes & stressing component leads.  
>  
> Okay, back to clearing my plated-thru hole,

They beat the heck out of grommets used to (hopefully) make connections  
between the sides of the board.

-----  
Date: Thu, 19 Sep 2002 21:35:39 -0600  
From: "Rod N0RC" <rod@n0rc.us>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
"cq-c-1" <CQCLIST@yahoo.com>  
Subject: [135581] Re: UPDATED: the Rock-Mite Files -- Rock Hunt Info  
Message-ID: <00dc01c26056\$ca8f5440\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, September 19, 2002 9:19 PM  
Subject: UPDATED: the Rock-Mite Files -- Rock Hunt Info

...  
> Never the less, I did make a few refinements, Just go to the Rock-Mite  
> files home page and follow the links. I am now ready to take entries  
for

And the link(s) to the home page would be:

<http://www.radioactivehams.com/~n0rc/rm/>  
<http://www.qsl.net/n0rc/rm/> (mirror)

DUH!

73, Rod N0RC  
the "Rock-Mite" files

-----  
Date: Thu, 19 Sep 2002 23:47:20 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [135582] THIRTY milliwatts, SW VA to TX with Rock-Mite-20! Now it's  
gettin' interesting!  
Message-ID: <F11fN3vSAMfKQu1bCdU000004ba@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Gang,  
I can see right now that I'm gonna hafta invest in a microwattmeter soon.

Condx gettin' REAL good now...  
Called KD5GRF, Carl, in Argyle, TX on about 14059 kHz...that's one of the  
freqs the Rock-Mite lands on with a supply voltage of 6.087.  
See? the Rock-Mite turns out to be more freq agile than we had at first  
thought :):):)  
Now, I realize that this is not the best or only way to control the  
Rock-Mite's operating frequency or power output but...works fer me!  
Say! The 2N2222A final runs really cool at thirty milliwatts out!  
Anyway, Carl gave me RST 419 and I gave him 589...after all, Carl was  
running 100 watts to an inverted vee...still on the longwire here.  
We enjoyed a solid copy QSO for fifteen minutes. Good stuff.  
Don't think I want to trust the WM-2 for measurements at powers much lower  
than 30 mW...30 mW(scale reading) is about 50% movement deflection...  
Another thing I want to try sometime is to run the final stage at 2f for a  
little action on ten meters...guess I'll have to inject 2f into the mixer  
too and use 28 MHz xtal or simple bpf in front-end ...  
May have to nickname this thing the Rock-Slide!  
Man! Stuff's gettin' interesting now!  
I see over on QRP-F that another fellow has been getting great results with  
QRPP, hardline and high-gain antenna arrays...  
500 mW USA to New Zealand ain't bad either!  
Life is good...

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Thu, 19 Sep 2002 20:51:40 -0700 (PDT)  
From: Nelson Winter <thenels@go.com>  
To: qrp-1@lehigh.edu  
Subject: [135583] Re: Shears  
Message-ID: <8083657.1032493900746.JavaMail.thenels@gomailjtp05>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Check out the "Island pad Cutter" on the New Jersey QRP site.

<http://www.njqrp.org/islanderpadcutter/index.html>

-----Original Message-----

From: "Richard Johnson" <richard\_johnson@credence.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Date: Thu Sep 19 17:59:17 PDT 2002  
Subject: Shears

>Group,  
>I am looking for a small desk top, lever operated shear to cut blank PCB  
>material nice and clean.  
>  
>Any one know a web site to buy such a thing.  
>Or how do you cut pcb for Manhattan style construction.  
>  
>cheers,  
>rich  
>

Experience is what you get when you don't get what you want.

-----  
GO.com Mail  
Get Your Free, Private E-mail at <http://mail.go.com>

-----  
Date: Thu, 19 Sep 2002 21:40:46 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [135584] Re: Calling CQ QRP Afield?  
Message-ID: <MABBJOEABOILMKCJCLFCMEKEDJAA.n6wg@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

How about just CQ QAF?  
73, Bob N6WG

-----  
Date: Thu, 19 Sep 2002 21:55:01 -0700  
From: "bob baxter" <rbaxter@cybertrails.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [135585] Rock Mite Report  
Message-ID: <005801c26061\$f5d275a0\$3a552aa2@bobbaxte>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Group,

Fired up the Rock Mite 20 tonight and had my first qso with it. W8NZW, Ed, in Grand Rapids, Mi. gave me an initial 549 and said it improved to 569 by the end of the qso. I'm looking forward to building the 40 but I'm 75th in line as of today. Bring on the Rock Hunts.

Bob Baxter AA7EQ  
Bisbee, Az.

-----  
Date: Thu, 19 Sep 2002 22:06:57 -0700  
From: "John McClain" <digi2@earthlink.net>  
To: <thenels@go.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135586] Re: Shears  
Message-ID: <002901c26063\$8cb20160\$6501a8c0@phoenix.speedchoice.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If you do come up with a shear, be sure to let the rest of know where you found it. I ordered one of the Island Cutters from NJQRP but still waiting for its arrival.

John  
K7SVV  
K2 #2569, SST 20, Rock Mite 20

----- Original Message -----  
From: "Nelson Winter" <thenels@go.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, September 19, 2002 8:51 PM  
Subject: Re: Shears

> Check out the "Island pad Cutter" on the New Jersey QRP site.

>

> <http://www.njqrp.org/islandpadcutter/index.html>

>

>

> -----Original Message-----

> From: "Richard Johnson"<richard\_johnson@credence.com>  
> To: "Low Power Amateur Radio Discussion"<qrp-1@Lehigh.EDU>  
> Date: Thu Sep 19 17:59:17 PDT 2002  
> Subject: Shears  
>  
> >Group,  
> >I am looking for a small desk top, lever operated shear to cut  
blank PCB  
> >material nice and clean.  
> >  
> >Any one know a web site to buy such a thing.  
> >Or how do you cut pcb for Manhattan style construction.  
> >  
> >cheers,  
> >rich  
> >  
>  
> Experience is what you get when you don't get what you want.  
> -----  
> GO.com Mail  
> Get Your Free, Private E-mail at <http://mail.go.com>  
>  
>

-----  
Date: Fri, 20 Sep 2002 0:12:44 -0500  
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-1 reflector" <qrp-1@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [135587] "Anderson PowerPole"  
Message-ID: <412002952051244558@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Many thanks one and all who wrote with suggestions about hooking up a DC line between my van's cockpit and the main vehicle battery. The clear consensus is Anderson for their connectors, hookup wire, and in-line fuses. Will be ordering them tomorrow.

73,  
--Doc/K0EVZ



-----  
Date: Thu, 19 Sep 2002 22:38:14 -0700  
From: "John McClain" <digi2@earthlink.net>  
To: <dock0evz@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135588] Re: "Anderson PowerPole"  
Message-ID: <000b01c26067\$eb7c8720\$6501a8c0@phoenix.speedchoice.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This was brought in the previous APP thread but be warned that even though the APP is a great connector (I use them in my shack), be very careful when you attach the contact to the wire prior to inserting it in the housing. If you decide to crimp, don't deform the round hole that the wire is inserted into and, if you decide to solder, don't let the solder run down the contact towards the end that contacts the other connector when you mate them together because, if you do either of these no no's, you won't be able to insert the contact into the housing. I wasted the first couple of connectors because I did both.

John  
K7SVV  
K2 #2569, SST 20, Rock Mite 20

----- Original Message -----

From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, September 19, 2002 10:12 PM  
Subject: "Anderson PowerPole"

> Gang:  
>  
> Many thanks one and all who wrote with suggestions about hooking up  
a DC  
> line between my van's cockpit and the main vehicle battery. The  
clear  
> consensus is Anderson for their connectors, hookup wire, and in-line  
fuses.

> Will be ordering them tomorrow.

>

> 73,

> --Doc/K0EVZ

>

>

>

>

>

>

>

-----

Date: Fri, 20 Sep 2002 01:22:13 -0500

From: "Jerry Ford" <benlightnd13@mchsi.com>

To: "qrp-1" <qrp-1@lehigh.edu>

Subject: [135589] What was that again?

Message-ID: <00d001c2606e\$0f7cc760\$6d74da0c@mchsi.com>

Boy here's a call sign that was fun to dig out of the mud.

I worked Saka these evening on 20 but it took me a minute to figure out if I had his call sign right or not.

( W7/YL2B0/QRP )

Lots of QSB on the band tonight but I still got a 569 and gave a 559 running my newly finished SW 20 +.

Great job Dave:

72 to the gang:                Jerry                N0JRN

-----

Date: Fri, 20 Sep 2002 06:44:28 +0000

From: "Leon Heller" <leon\_heller@hotmail.com>

To: dpayton@fwi.com, qrp-1@lehigh.edu

Subject: [135590] Re: Plated-Thru Hole Blues

Message-ID: <F246nbb3M0svGhcISPi0000092f@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>From: "Dennis Payton" <dpayton@fwi.com>  
>Reply-To: dpayton@fwi.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Plated-Thru Hole Blues  
>Date: Thu, 19 Sep 2002 17:04:41 -0500

>

>It seems like all the kits nowadays advertise high quality boards with  
>plated-through holes. Are plated-through holes really something a builder  
>should desire?

It does speed up construction a lot, especially with kits involving several chips, where the pins and other components would have to be soldered on the top and bottom, in many cases. It's also difficult to do this neatly, and inexperienced constructors might have problems. They are much more reliable, also.

In large quantities the price difference is fairly small, and it will minimise the number of returned kits that don't work properly. That's probably the bottom line.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

-----

Date: Fri, 20 Sep 2002 07:00:36 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: tomb@kiva.net, qrp-1@lehigh.edu  
Subject: [135591] Re: Homemade soldermask?  
Message-ID: <F215FYsDSzhxRz3s2gu000004da@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: tomb@kiva.net (Thomas H. Busch)

>Reply-To: tomb@kiva.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Homemade soldermask?  
>Date: Thu, 19 Sep 2002 14:09:52 -0500 (EST)  
>  
>I've seen this topic in the archives, but not really an answer to my  
>question...Does anyone have a way to put a soldermask on home made PC  
>boards?

This has cropped up on the sci.electronics.design NG a couple of times. I think the consensus was that it isn't really feasible. Pity, because my eyesight isn't what it used to be, and I have to go over my boards very carefully with a magnifier to find all the solder bridges. Even then, I usually miss one or two.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

---

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

---

Date: Fri, 20 Sep 2002 13:02:57 +0200  
From: Ingo Meyer DK3RED <dk3red@gmx.net>  
To: qrp-1@lehigh.edu  
Subject: [135592] Wanted: QRP Quarterly articles  
Message-ID: <5.1.1.6.1.20020920125227.00a68cd0@pop.gmx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello QRPers,

I am looking for an article published in an "old" QRP Quarterly issue. A QRP buddy here says it was a small article serie, which described the right QRP style in a QRP QS0. But he don't know the right issue. Can anybody point me the searched issues? A hardcopy is not necessary. Thanks.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>  
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

QRP ARCI #11295 <http://www.qrparci.org>

-----  
Date: Fri, 20 Sep 2002 07:00:17 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <richard\_johnson@credence.com>  
Subject: [135593] Re: Shears  
Message-ID: <004201c26094\$f43167a0\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I shouldn't admit this ...

I use a Radio Shack nibbler for cutting pads. It doesn't work worth a darn on Radio Shack copperclad, which just crumbles, but on good G-10 board, especially thin board, it works quite well. It cuts small, rectangular pads that I have gotten to like. I find that if I use the really thin material there's isn't such a large height difference between the ground ends and the non-ground ends, and it works quite well. In spite of very little clearance to the substrate, I've had no problem with solder bridges. Since the pads are quite small, I don't think I'm suffering from a lot of extra capacitance.

I actually use a small jig saw for cutting boards. It is pretty astonishing how quickly a harmless looking piece of copperclad can demolish a blade, though. It's pretty much 1 circuit board = 1 blade.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Richard Johnson" <richard\_johnson@credence.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, September 19, 2002 8:59 PM  
Subject: Shears

> Group,  
> I am looking for a small desk top, lever operated shear to cut blank PCB  
> material nice and clean.  
>

> Any one know a web site to buy such a thing.  
> Or how do you cut pcb for Manhattan style construction.  
>  
> cheers,  
> rich  
>

-----  
Date: Fri, 20 Sep 2002 06:33:28 -0500  
From: Karl Kanalz <kkanalz@gcecispc.com>  
To: "'thenels@go.com'" <thenels@go.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135594] RE: Shears (The base board, NOT the "pads")  
Message-ID: <01C2606F.A6A0FD40@KKANALZ>

Richard is looking for a shear to make " base boards" for Manhattan projects, not to make "pads" that are glued to the base board.

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----  
From: Nelson Winter [SMTP:thenels@go.com]  
Sent: Thursday, September 19, 2002 10:52 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Shears

Check out the "Island pad Cutter" on the New Jersey QRP site.

<http://www.njqrp.org/islandpadcutter/index.html>

-----Original Message-----  
From: "Richard Johnson"<richard\_johnson@credence.com>  
To: "Low Power Amateur Radio Discussion"<qrp-1@Lehigh.EDU>  
Date: Thu Sep 19 17:59:17 PDT 2002  
Subject: Shears

>Group,  
>I am looking for a small desk top, lever operated shear to cut blank PCB  
>material nice and clean.  
>  
>Any one know a web site to buy such a thing.  
>Or how do you cut pcb for Manhattan style construction.  
>  
>cheers,

>rich  
>

Experience is what you get when you don't get what you want.

-----  
GO.com Mail  
Get Your Free, Private E-mail at <http://mail.go.com>

-----  
Date: Fri, 20 Sep 2002 07:42:39 -0400  
From: "John O. Newell" <jnewell@attbi.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135595] Re: "Anderson PowerPole"  
Message-ID: <3D8B09AF.520751F5@attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> in the housing. If you decide to crimp, don't deform the round hole  
> that the wire is inserted into

That's the benefit of the tool that West Mountain Radio is selling for crimping over the Klein tool I was previously using. It has a round section that you can use to re-form the connector after crimping which (at least in my experience) inevitably somewhat deforms the barrel. You can find the same tool at Home Depot, btw (along with the Klein crimper, which is more expensive and less useful).]

72/73  
John Newell KB1FPM

-----  
Date: Fri, 20 Sep 2002 07:58:02 -0400  
From: Mike Czuhajewski <wa8mcq@comcast.net>  
To: qrp-l@lehigh.edu  
Cc: wa8mcq@comcast.net  
Subject: [135596] Re: Shears  
Message-ID: <000301c2609c\$f8e02900\$6401a8c0@gambrl01.md.comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

If you want to go first class with a table top unit designed and built specifically to shear PCB material, you could go with the Kepro MS-6. (It's on their web page under "equipment" at [www.kepro.com](http://www.kepro.com)). We've had one at work for years and it's a nice little device, and pretty rugged. Unfortunately there is some sticker shock involved; the current price is \$565.

73 and queue our pea DE WA8MCQ

-----  
Date: Fri, 20 Sep 2002 07:16:05 -0500  
From: Randy <[wrmooore47@comcast.net](mailto:wrmooore47@comcast.net)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [135597] FS: OHR 40m Explorer II transceiver  
Message-ID: <001a01c2609f\$7e4a99c0\$f3b23e44@aeronca>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

This is a great little rig, with beautiful QSK. Its in excellent cosmetic and functional condition. Makes a great 40m FOX HUNT machine. I've installed a K8 keyer, which can be upgraded to a K9 (with your call embedded) for about \$10 (<http://k1el.tripod.com/k9info.html>) by just unplugging the K8 and plugging in the K9. Original construction/operation manual included. I'm the builder and only owner. Asking \$85 including shipping in CONUS.

Specs:

- Covers approx. 7.000 to 7.070 Mhz (can be moved to other segments)
- 1 kHz RIT
- Variable BW xtal filter (350hz to 1500hz)
- AGC
- Sidetone
- Outstanding QSK
- ~ 2.5 w. output
- Current drain: 40 ma Rx, 450 ma Tx

72,  
Randy, KS4L  
Huntsville, AL

-----



Date: Fri, 20 Sep 2002 08:34:11 -0500  
From: W2EB <w2eb@twcnny.rr.com>  
To: qrp-l@lehigh.edu  
Subject: [135598] Re: Power Connector Ideas?  
Message-ID: <3D8B23D3.C828E107@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doc,

Rather than pull new wires, consider using a tap on your existing fuse block. You can place the tap on a spare fuse and have a fused line without running any new wire.

Bill  
W2EB

Doc Lindsey K0EVZ wrote:

>  
> Gang:  
>  
> Am planning on pulling some power cables from the battery of my van through  
> the fire wall to the dashboard. What kind of panel and connectors would be  
> good for this project? Also, what kind of cable would be optimum.  
>  
> NOTE: I don't plan to be moving while operating. Just want to have good  
> strong/stable power, rather than plugging into the cigarette lighter.  
> Ideas?  
>  
> Thanks in advance.  
>  
> 73,  
> --Doc/K0EVZ

--  
"Thomas Hodgkin died of natural causes"

-----

Date: Fri, 20 Sep 2002 08:40:40 -0400  
From: John Zaruba <jzaruba@mac.com>  
To: kkanalz@gcecispc.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135599] Re: Shears (The base board, NOT the "pads")  
Message-ID: <2BB2A34C-CC96-11D6-B3F0-00039367EFA0@mac.com>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v543)

Content-Transfer-Encoding: 7bit

Here's the shear I use at work:

<http://www.t-tech.com/materials/accessories/>

But, grab your socks, it \$500! You'd have to chop a boatload of FR4 to make that equation work, IMHO.

73,

John AA2BN

On Friday, September 20, 2002, at 07:33 AM, Karl Kanalz wrote:

> Richard is looking for a shear to make " base boards" for Manhattan  
> projects, not to make "pads" that are glued to the base board.

>

> Karl K - W8TIF

> McKinney, Texas

>

> -----Original Message-----

> From: Nelson Winter [SMTP:thenels@go.com]

> Sent: Thursday, September 19, 2002 10:52 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Shears

>

> Check out the "Island pad Cutter" on the New Jersey QRP site.

>

> <http://www.njqrp.org/islandpadcutter/index.html>

>

>

> -----Original Message-----

> From: "Richard Johnson"<[richard\\_johnson@credence.com](mailto:richard_johnson@credence.com)>

> To: "Low Power Amateur Radio Discussion"<[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

> Date: Thu Sep 19 17:59:17 PDT 2002

> Subject: Shears

>

>> Group,

>> I am looking for a small desk top, lever operated shear to cut blank

>> PCB

>> material nice and clean.

>>

>> Any one know a web site to buy such a thing.

>> Or how do you cut pcb for Manhattan style construction.

>>

>> cheers,

>> rich

>>

>  
> Experience is what you get when you don't get what you want.  
> -----  
> GO.com Mail  
> Get Your Free, Private E-mail at <http://mail.go.com>  
>  
>  
>  
>

-----  
Date: Fri, 20 Sep 2002 12:51:50 +0100  
From: "Leon Heller" <[leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)>  
To: "Low Power" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [135600] A use for a can?  
Message-ID: <[DAV62ACKWHZqYW8BYXi000007fa@hotmail.com](mailto:DAV62ACKWHZqYW8BYXi000007fa@hotmail.com)>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Lyle's Golden Syrup, well-known for over 100 years in the UK for making such delicacies as steamed suet puddings (I like them with Bird's custard), comes in a cylindrical steel can with a tight (probably hermetic) steel lid. The can looks ideal for a piece of radio-related equipment - just over 3" dia. and 3" high.

They look very attractive in the original Victorian green and gold colour with a an interesting trade mark - a dead lion with bees buzzing round having made a hive in the carcase, with the words: "Out of the strong came forth sweetness". I think it's biblical.

Has anyone got any clever ideas for things to put in it?

Being round is a bit awkward, although it would mount nicely on a front panel screening a VFO, as KK7B did with his binaural Rx in the Handbook. A wavemeter? A microwave cavity? A dummy load?

73, Leon

--

Leon Heller, G1HSM  
[leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)  
[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----

Date: Fri, 20 Sep 2002 13:16:54 +0100  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: "Low Power" <qrp-l@lehigh.edu>  
Subject: [135601] PCB orders for crystal checker and ladder filter  
Message-ID: <DAV24E2sCRBHZXFZ0st00000879@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm afraid that I haven't had sufficient orders for those PCBs for the crystal checker and ladder filter to get them made professionally.

However, if people are willing to do the final trimming of the PCBs to size, and do their own drilling, I can make the PCBs myself, for the same price. They will be on FPC-16 material (thin fibreglass/paper composite), which is very easy to cut and drill.

My home-made PCBs look quite professional, anyway, IMHO. See:

[http://www.geocities.com/leon\\_heller/pcb.html](http://www.geocities.com/leon_heller/pcb.html)

for an example.

73, Leon

--

Leon Heller, G1HSM  
leon\_heller@hotmail.com  
[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----

Date: Fri, 20 Sep 2002 09:02:43 -0400  
From: "Jim Stamper" <jstamper@shentel.net>  
To: <W1JJD@drix.net>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135602] Re: Fence wire for antennas??  
Message-ID: <004101c260a6\$024725d0\$0c606fcc@jim>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have had best luck with plumber's sized propane blowtorch.

jim-  
KG4LDY

----- Original Message -----

From: "JD Delancy" <W1JDD@drix.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, September 19, 2002 8:15 PM

Subject: Re: Fence wire for antennas??

> snip <

> It's a little hard at first to get a good solder joint with the

> stuff, but a bigger iron solved that problem.

-----  
Date: Fri, 20 Sep 2002 09:10:19 -0400

From: "E. Roswell" <eroswell@monmouth.com>

To: qrp-1@lehigh.edu

Subject: [135603] Re: Shears

Message-ID: <3D8B1E3B.DC1B88A1@monmouth.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

This is a posting I made previously about the popular Harbor Freight products. They have a number of various sized brakes in their catalog, but not too much on shears.

The 12" Shear/Brake/Slip Roll is Model #35969 (got mine for \$219.99 in 04/2000), and the Hand Punch (in English size) is #37405 (everyone keeps asking about this one also).

These items are not always listed online or in their current flyer. They come

on a slow boat from China and I don't know how they determine if/when they re-order their items. Perhaps a 'phone call would elucidate.

the 30" Brake, etc is listed in the flyer,..it is \$399.99 and weighs 308 lbs!

The 12" brake weighs 90 lbs and was a bear to manhandle down the cellar stairs, and lift up on the workbench. I left it on the bottom of the box frame, removed the separate pieces from it to lessen weight and slid it down the stairs on the pallet. BUT I should left it in the carport for a while because it was full of cosmoline, and it would have been much easier to drown it in solvent outside rather than slopping around on my bench.

The unit requires space behind it for the rear parts of it so a real shallow workbench may crowd you. (A limit fence sticks out the back to set up depths of cuts, and it is not too useful. I've tried working on this to be at a point where I can trust it.) You also have to allow for the swing of the handles. The knobs on the handles are good when you rotate fully and continuously using the slip roll. However, if you are cutting a lot of PCBs (like I did for a couple of NJ-QRP kits), or cutting heavy stuff, your arm

takes a beating. I took the knobs off the handle and have 3 foot piece of black iron pipe, whose I.D. just fits over the handle, for leverage in making cuts. Wrapped duct tape over the near end of the pipe cuz the threads started

cutting into my fingers!

I have never used the slip roll (anyone know how you use it for what?). I use

the shear frequently. I use C-clamps to hold the material down when I cannot align with the edge or for when I cut on an angle. I also use a piece of scrap steel (about 1/2" X 1/2" X 3" with true parallels) against the "fence" so that long material can pass into the rear of it and still maintain a square

cut.

I've used the brake part a few times. It is a "Vee-press" rather than a swinging hinged thing like most standalone brakes. For "springy" material it is hard to get a full 90 degree bend, since you cannot force it beyond the inherent 90 degrees of the Vee, and let it spring back to where you want it. For softer aluminum for instance, it is no problem. I have a brake I made from a QST article, using wood and hinges and metal plates, that fills in for times the HF unit is not suitable.

Hope this helps,

73, Ed,

K2MGM

-----  
Date: Fri, 20 Sep 2002 09:12:07 -0400

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [135604] Re: A use for a can?

Message-ID: <5.1.0.14.1.20020920090625.00a72ec0@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>They look very attractive in the original Victorian green and gold colour  
>with a an interesting trade mark - a dead lion with bees buzzing round  
>having made a hive in the carcase, with the words: "Out of the strong came  
>forth sweetness". I think it's biblical.

Leon,

Yes - Judges 14:14. The lion is one Samson had killed. He passed it later and bees had built a hive inside.

Probably not a trademark I'd use on a food item, personally, but some people have an interesting sense of humor (or piety).

>Has anyone got any clever ideas for things to put in it?

Bees, maybe? (grin)

>Being round is a bit awkward, although it would mount nicely on a front  
>panel screening a VFO, as KK7B did with his binaural Rx in the Handbook. A  
>wavemeter? A microwave cavity? A dummy load?

If the lid turns easily enough when closed, could it be used as the  
frequency knob of a radio? A 3" knob is a nice size for tuning.

Dave

-----  
Electrical items never die, you see, I am merely unable to revive them with  
today's technology.  
-----

Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Fri, 20 Sep 2002 08:35:43 -0500  
From: "Tim, N9PUZ" <n9puz@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135605] Re: "Anderson PowerPole"  
Message-ID: <200209201333.IAA08320@zinc.eosinc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

On Thu, 19 Sep 2002 22:38:14 -0700, John McClain wrote:

>the round hole that the wire is inserted into and, if you decide=  
to  
>solder, don't let the solder run down the contact towards the=  
end  
>that contacts the other connector when you mate them together  
>because, if you do either of these no no's, you won't be able=  
to  
>insert the contact into the housing. =A0I wasted the first couple=  
of  
>connectors because I did both.

Here's a technique that makes soldering the 15 Amp or 30 Amp=

contacts easier without worrying about getting solder in the wrong place...

Use your drill press to bore a small hole somewhere near the middle of the barrel portion of the connector. When you go to solder the terminal to your wire feed the solder through this small hole. This makes it easy to get the solder in the barrel where you want it and makes it less likely to flow out onto the contact as it does when you deeded it in from the contact end. If you set up and do this to all your contacts when you get them they'll be ready to go and you won't be tempted to "tough it out" since you only need one or two.

Tim, N9PUZ  
<http://www.qsl.net/n9puz>

-----  
Date: Fri, 20 Sep 2002 08:05:55 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>, "cqc-1" <CQCLIST@yahoogroups.com>  
Subject: [135606] Fw: UPDATED: the Rock-Mite Files -- Rock Hunt Info  
Message-ID: <00d501c260ae\$d6d25600\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

I didn't make things clear enough. There is no "signup" on the webpage. I intended that you go there only to see the new format. If you want your information displayed, send it to me in an email message. Please use this format:

CALL QTH 20m 40m

Example for me:

N0RC Ft Collins, CO 20m 40m

This format speeds up the HTML file formatting.

BTW check out the page now, I added the calls received so far.

73, Rod N0RC



the "Rock-Mite" files  
<http://www.radioactivehams.com/~n0rc/rm/>  
<http://www.qsl.net/n0rc/rm/> (mirror)

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>; "cqc-l" <CQCLIST@yahooogroups.com>  
Sent: Thursday, September 19, 2002 9:19 PM  
Subject: UPDATED: the Rock-Mite Files -- Rock Hunt Info

...  
> Never the less, I did make a few refinements, Just go to the Rock-Mite  
> files home page and follow the links. I am now ready to take entries  
for  
> the Registry. Send me your CALL, QTH, and the band(s) for which you  
have  
> a Rock-Mite. Example:  
>  
> N0RC Ft Collins, CO 20m 40m  
>

-----  
Date: Fri, 20 Sep 2002 06:51:35 -0700  
From: "JAKidz" <jakidz@pullman.com>  
To: <qrp-l@lehigh.edu>  
Subject: [135607] Re: I saw George over at eHam too!  
Message-ID: <PMECLCODPFKGLKANCBLAEJCJCEAA.jakidz@pullman.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

To see him on eHam (bigger picture than  
[http://www.angelfire.com/tx4/netxqrpclub/mem\\_gallery.html](http://www.angelfire.com/tx4/netxqrpclub/mem_gallery.html)), try:

[http://www.eham.net/data/spotlight/images/72b7b94c35ade4f05ed2266ed4f02720.j  
pg](http://www.eham.net/data/spotlight/images/72b7b94c35ade4f05ed2266ed4f02720.jpg)

Picture is outdate, though. It should now have a K2 in it.

John, KD7OIU

-----  
Date: Fri, 20 Sep 2002 10:27:08 -0400  
From: "W3CDE Jerry L." <w3cde@bellsouth.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135608] Re: Fence wire for antennas??  
Message-ID: <3D8B303C.D631FF3@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I use a 200 watt Weller gun and it works great.

In the event folks do not know.. Home Depot carries a flux that is solder bearing and is wonderful for soldering those things that are hard to tin and solder together. The smoke smells real bad but the compound works GREAT!! It comes in a little white plastic jar and relatively cheap. You know you have the right stuff if you open the jar and it is a gray color.

Jerry  
W3CDE

Jim Stamper wrote:

>  
> I have had best luck with plumber's sized propane blowtorch.  
>  
> jim-  
> KG4LDY  
>  
> ----- Original Message -----  
> From: "JD Delancy" <W1JD@drix.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Thursday, September 19, 2002 8:15 PM  
> Subject: Re: Fence wire for antennas??  
>  
> > snip <  
> > It's a little hard at first to get a good solder joint with the  
> > stuff, but a bigger iron solved that problem.

-----  
Date: Fri, 20 Sep 2002 10:46:46 -0400  
From: "W3CDE Jerry L." <w3cde@bellsouth.net>

To: eroswell@monmouth.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135609] Re: Shears  
Message-ID: <3D8B34D6.2DED728A@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ed,

The slip roll is used for making "round sheet metal things"  
i.e. a vase, bucket, can, or an umbrella stand/container.  
Really easy to use and does a great job at it.

Jerry  
W3CDE

"E. Roswell" wrote:

>  
> SNIP  
> I have never used the slip roll (anyone know how you use it for what?). I use  
>  
> SNIP  
> Hope this helps,  
> 73, Ed,  
> K2MGM

-----  
Date: Fri, 20 Sep 2002 14:48:19 +0000  
From: k4vib@att.net  
To: qrp-1@lehigh.edu  
Subject: [135610] 144Mhz CW  
Message-ID: <20020920144819.IYCF27953.mtiwmhc21.worldnet.att.net@mtiwebc36>

Don't have the band plan in front of me...what is the upper and lower limits of  
the CW portion of 2 meters?

Tnx,

Bill  
K4VIB

-----

Date: Fri, 20 Sep 2002 17:01:00 +0200  
From: Ingo Meyer DK3RED <dk3red@gmx.net>  
To: qrp-l@lehigh.edu  
Subject: [135611] Re: Wanted: QRP Quarterly articles (TNX)  
Message-ID: <5.1.1.6.1.20020920170017.00a2c980@pop.gmx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello QRPers,

I have found the articles (from Bruce W6TOY). Thanks for you help.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de    <http://www.t-online.de/~dk3red>  
DL-QRP-AG #824    <http://www.dl-qrp-ag.de>  
QRP ARCI #11295    <http://www.qrparci.org>

-----  
Date: Fri, 20 Sep 2002 08:27:56 -0400  
From: "Walt Amos" <k8cv@netzero.net>  
To: "Posts Qrp-L" <qrp-l@lehigh.edu>  
Subject: [135612] OT: Antennas .....  
Message-ID: <000301c260b7\$2f689560\$99e094ce@WALTK8CV>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Warning ..... Warning  
..... Delete NOW !!

Why would anyone compromise there ANTENNA ?

Soft drawn plastic covered # 14 HOUSE wire is available at all HOME DEPOT  
type stores in large amount for a REASONABLE price. Why use anything made  
of IRON or ALUMINUM , COTTON or SILK?

Think of the PAIN AND AGONY you are going through to put up that new and  
wonderful ANTENNA , why use something just because it is CHEAP.

SHIELDS UP !

Walt K8CV Royal Oak, MI.

-----  
Introducing NetZero Long Distance  
Unlimited Long Distance only \$29.95/ month!  
Sign Up Today! [www.netzerolongdistance.com](http://www.netzerolongdistance.com)  
-----

Date: Fri, 20 Sep 2002 11:13:31 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: dpayton@fwi.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135613] Re: Plated-Thru Hole Blues  
Message-ID: <3D8B3B1B.E9111BAA@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Plated through holes are an advantage, but boards can be built without them. They usually connect traces from one side of the board to the other. If you do not have this, you don't need to worry about plated through holes. Lots of radios have been built without them! Plated through holes are a convenience/

A simple way to handle the problem on double side boards is to be sure you solder leads to both sides of the board. For ground plane use, I have drilled a series of through holes from one side to the other and used short pieces of resistor lead to connect them. Just be sure you have good solder joints on both sides.

73

-----  
Date: Fri, 20 Sep 2002 10:22:35 -0500  
From: "Jeff Mitchell" <jeffmit@datastratinc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135614] Re: 144Mhz CW  
Message-ID: <001701c260b9\$8d1253c0\$6501a8c0@datastratinc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The lower limit of the band is 144.000, I've seen 144.060 listed as a QRP calling frequency...you'll hear weak signal enthusiast using CW anywhere in

the weak signal portion of the band 144.000 ~ 144.300 or so...if there's not a whole lot going on call CQ on 144.200 (weak signal calling freq.), if you start a QS0...move off of that frequency. There are alot of weak signal guys that just leave the 2M rig on 144.200 with the squelch up a bit listening for an opening. Good luck, you may just catch some good tropo today with weather conditions being what they are.

73

Jeff, N4YQ

-----  
Date: Fri, 20 Sep 2002 11:22:45 -0400  
From: Garey Barrell <k4oah@mindspring.com>  
To: k4vib@att.net,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135615] Re: 144Mhz CW  
Message-ID: <5.1.0.14.0.20020920111822.00a3a8a0@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bill -

144.0 - 148.0 MHz. :-)

Most CW is below 144.100 Which is the calling frequency. EME claims the bottom 50 kHz, so 144.050 - 144.100 is the "official" general CW band. Most operation is right around 144.100.

73, Garey - K40AH  
Atlanta

At 10:48 AM 9/20/2002, k4vib@att.net wrote:  
>Don't have the band plan in front of me...what is the upper and lower  
>limits of  
>the CW portion of 2 meters?  
>  
>Tnx,  
>  
>Bill  
>K4VIB

-----  
Date: Fri, 20 Sep 2002 10:27:25 -0500  
From: "George, W5YR" <w5yr@att.net>

To: w2eb@twcnny.rr.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135616] Re: Power Connector Ideas?  
Message-ID: <3D8B3E5D.81C06B8D@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hate to disagree, Bill, but I have found that any radio equipment installed in a vehicle should be connected directly to the battery terminals with fuses in both lines.

The fuse block is convenient and will work for light loads, but it can be a source of noise, especially when considerable current is taken through it.

I always use at least #10 and preferably #8 wire to the battery for all mobile installations. Saves a lot of headaches . . .

73/72, George  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR - the Yellow Rose of Texas  
In the 57th year and it just keeps getting better!

W2EB wrote:

>  
> Doc,  
>  
> Rather than pull new wires, consider using a tap on your existing  
> fuse block. You can place the tap on a spare fuse and have a fused line  
> without running any new wire.  
>

-----

Date: Fri, 20 Sep 2002 11:30:02 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: w2wurjj@verizon.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135617] Re: Weights For the "E-Z Hang"  
Message-ID: <3D8B3EFA.2D81EA23@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

While you are correct about rifling, BB guns do not have rifled barrels! They are prohibited in most urban areas, as are slingshot. If

you are discovered using one, and that is simply a matter of a broken window, it takes very little surveillance to find you!

Oh, antennas don't have fingerprints either!

73

-----  
Date: Fri, 20 Sep 2002 10:28:29 -0500  
From: Dave Sjolín <sjolin@swbell.net>  
To: k4vib@att.net,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135618] Re: 144Mhz CW  
Message-ID: <034501c260ba\$5fed3580\$c0cfd840@DaveSjolin>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

144.0 TO 144.1 are designated for cw only on two meters. No SSB, no digital.

HOWEVER, the only cw activity that you might find in that range is EME (moonbounce). Most real cw operation on two meters occurs within 20 khz of the two meter calling frequency of 144.2. You will often hear CQ's being made right on 144.2.

73 de Dave, N0IT

----- Original Message -----  
From: <k4vib@att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, September 20, 2002 9:48 AM  
Subject: 144Mhz CW

> Don't have the band plan in front of me...what is the upper and lower  
limits of  
> the CW portion of 2 meters?  
>  
> Tnx,  
>  
> Bill  
> K4VIB  
>

-----



Date: Fri, 20 Sep 2002 15:36:16 +0100  
From: Chuck Adams <k7qo@earthlink.net>  
To: eroswell@monmouth.com,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135619] Re: Shears  
Message-ID: <5.1.0.14.0.20020920152748.00a113f0@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:10 AM 9/20/02 -0400, E. Roswell wrote:

>--- snip, snip, snip ---

> However, if you are cutting a lot of PCBs  
>(like I did for a couple of NJ-QRP kits), or cutting heavy stuff, your arm  
>takes a beating. I took the knobs off the handle and have 3 foot piece of  
>black iron pipe, whose I.D. just fits over the handle, for leverage in making  
>cuts.

I use a 1 meter piece of aluminum pipe that I picked up at the scrap metal yard in Phoenix. This technique will save you a lot of straining to cut the thicker pieces of PCB. :-) It's the Force time Distance equal Torque rule that applies here plus some Shear Modulus equations..... :-)

>I've used the brake part a few times. It is a "Vee-press" rather than a  
>swinging hinged thing like most standalone brakes. For "springy" material it  
>is hard to get a full 90 degree bend, since you cannot force it beyond the  
>inherent 90 degrees of the Vee, and let it spring back to where you want it.  
>For softer aluminum for instance, it is no problem. I have a brake I made  
>from a QST article, using wood and hinges and metal plates, that fills in for  
>times the HF unit is not suitable.

I have found that for bending I can make more than a 90 degree bend. It just requires you to force the brake a little harder. This I've found on 040 Al sheets when making cases. Also as a side note --- one end of the bend isn't quite as good as the other and I reverse the piece in the brake and lightly bend again to bring the two ends into alignment. If anyone is interested in the exact details on doing this I can take the digital camera and do this a couple of times for the next case for the Rock-Mite. It's obvious once you try it.

The shear is adjustable and you should experiment with alignment of the base edge against the blade to insure a nice clean cut every time. The investment of \$200 or more for one of these critters is well worth the money in nice work if you plan on making a lot of equipment using PCB material.

FYI

Chuck Adams, K7Q0 CP-60 k7qo@earthlink.net  
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

-----  
Date: Fri, 20 Sep 2002 10:33:43 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: k8cv@netzero.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [135620] Re: OT: Antennas .....  
Message-ID: <3D8B3FD7.AE16EF64@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Amen, Walt!

A few years back I went to considerable painful labor to install 60 ground radials for my 40-meter vertical. In order to "save money" I used 17 ga. aluminum fence wire. Installed easily, worked - notice the "ed"! - great, and very inexpensive.

Now a few years later I have found that soil chemicals have consumed many of my radials which someday I may replace - but not all 60 of them! <:}

Walt is very right here: don't scrimp on materials cost when expending significant effort on a project, especially one subject to weather stress.

The cheapest Home Depot potential radial wire that I have found is their 3-strand doorbell cable. All my wire antennas are made with their #14 THHN wire at \$15/500 ft.

73/72, George  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR - the Yellow Rose of Texas  
In the 57th year and it just keeps getting better!

Walt Amos wrote:

>  
> Warning ..... Warning  
> ..... Delete NOW !!  
>  
> Why would anyone compromise there ANTENNA ?

-----  
Date: Fri, 20 Sep 2002 09:21:26 -0600  
From: "John\_Evans" <jaevans@codenet.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,  
<eroswell@monmouth.com>  
Subject: [135621] Re: Shears  
Message-ID: <200209200921.AA300221010@mail.codenet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I solved this problem as well as the problem that the shear leaves marks on each side of the bend. Take some cereal box material (various thicknesses) and place a strip along the line to be bent - this will permit you to approach and even go beyond the 90 degrees angle as well as save some of the marking of the metal. I've also used scrap aluminum on one side of the vee to help with the angle - experiment and see what works.

72 - john - n0hj

>I've used the brake part a few times. It is a "Vee-press" rather than a  
>swinging hinged thing like most standalone brakes. For "springy" material it  
>is hard to get a full 90 degree bend, since you cannot force it beyond the  
>inherent 90 degrees of the Vee, and let it spring back to where you want it.  
>For softer aluminum for instance, it is no problem.

-----  
Date: Fri, 20 Sep 2002 11:36:18 -0400  
From: "W3CDE Jerry L." <w3cde@bellsouth.net>  
To: k8cv@netzero.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135622] Re: OT: Antennas .....  
Message-ID: <3D8B4072.CD323275@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Because antennas are a FUN thing to do!

Jerry

W3CDE

Walt Amos wrote:

>  
> Warning ..... Warning  
> ..... Delete NOW !!  
>  
> Why would anyone compromise there ANTENNA ?  
>  
> Soft drawn plastic covered # 14 HOUSE wire is available at all HOME DEPOT  
> type stores in large amount for a REASONABLE price. Why use anything made  
> of IRON or ALUMINUM , COTTON or SILK?  
>  
> Think of the PAIN AND AGONY you are going through to put up that new and  
> wonderful ANTENNA , why use something just because it is CHEAP.  
>  
> SHIELDS UP !  
>  
> Walt K8CV Royal Oak, MI.  
>  
> -----  
> Introducing NetZero Long Distance  
> Unlimited Long Distance only \$29.95/ month!  
> Sign Up Today! [www.netzerolongdistance.com](http://www.netzerolongdistance.com)

-----  
Date: Fri, 20 Sep 2002 15:51:43 +0000  
From: "Leon Heller" <[leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)>  
To: [k4vib@att.net](mailto:k4vib@att.net), [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [135623] Re: 144Mhz CW  
Message-ID: <[F1852c7qIA3EEYDKFJ000000a94@hotmail.com](mailto:F1852c7qIA3EEYDKFJ000000a94@hotmail.com)>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: [k4vib@att.net](mailto:k4vib@att.net)  
>Reply-To: [k4vib@att.net](mailto:k4vib@att.net)  
>To: "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
>Subject: 144Mhz CW  
>Date: Fri, 20 Sep 2002 14:48:19 +0000  
>  
>Don't have the band plan in front of me...what is the upper and lower  
>limits of  
>the CW portion of 2 meters?

The UK (IARU) bandplan has 144.035 to 144.150 for CW only. Calling freq. is 144.050 MHz. CW and SSB is 144.150 to 144.400

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

---

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

---

Date: Fri, 20 Sep 2002 09:12:49 -0700  
From: dave f epps <dave\_epps@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [135624] My Rock-Mite can Roar  
Message-ID: <20020920.091254.-322119.2.dave\_epps@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

With help from the hfpacker amp by k500r ([www.hfprojects.com](http://www.hfprojects.com)). My RM puts out 362 mw per Steven Webers wattmeter. With the RM running on 9v the amp puts out 4.5 watts as shown on the wm-2. RM running on 12v the amp. puts out 7 watts. This was just an experiment to see if the amp would work with low drive.  
dave ab5pc fresno, ca.

---

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<http://dl.www.juno.com/get/web/>.

---

Date: Fri, 20 Sep 2002 09:43:03 -0700 (PDT)  
From: Patrick Gardella <pgardella@yahoo.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [135625] FS or Trade: Basic Stamp Development Kit  
Message-ID: <20020920164303.87584.qmail@web40206.mail.yahoo.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I've got a Basic Atom Development Kit (details at the end of the message) that I don't need, and thought that someone on the list might be interested in getting into microcontrollers or digital homebrewing. It's only a week old, and lists for \$159 new. The kit is complete and works fine.

I'm looking to sell it for around \$100 (shipping included), or would be willing to trade it for qrp related gear. I don't have much, so just about anything might be interesting! (paddles, RockMite 20M, test equipment, etc.). If you've got something, and might be interested in this kit, let me know. There's a lot I'd like to have! :)

72/73,  
Patrick  
N3EO

The Basic Atom Development Kit (<http://www.basicmicro.com/products/stamps/index.html>) is a complete development environment for the BasicAtom (BasicStamp 2p/2sx/2e compatible) microcontroller. If you aren't familiar with the BasicAtom/BasicStamp (<http://www.parallaxinc.com/>), it is basically a 20 MHz PIC (16F876-20/S0 or Scenix) microcontroller with additional memory, A/D, buffered serial port (Max232), etc. Full details can be found at <http://www.basicmicro.com/products/stamps/specs.html>

---

Do you Yahoo!?  
New DSL Internet Access from SBC & Yahoo!  
<http://sbc.yahoo.com>

---

Date: Fri, 20 Sep 2002 18:38:48 +0200  
From: "Juanjo Pastor" <[ec5aca@wanadoo.es](mailto:ec5aca@wanadoo.es)>  
To: "Low Power Amateur Radio Discussion" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [135626] RE: CQ fm EA5 agn!  
Message-ID: <001d01c260c6\$91512300\$490c253e@fer>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

>Hello again:

>

> Me and my trusty and drifty TT1320 will make the trip to Liria  
>once more this Friday evening to be on the air around 22:00 UTC on  
>14.060 or  
>whereabouts. Last week I was calling for 30 minutes or more with no  
>takers, hope to copy some east-coasters this time. I do know it is a  
>bit early for you, but I will be 30 miles away from home at 00:00  
>AM... I also hope to be on the air on Saturday evening with a dipole  
>from my countryside "chalet" in Picassent. I will be at home so I  
>could stay up till late and would like to hear some west coast and  
>middle west stations for my 20 meter WAS. CUL!

>

>73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742,  
>QRP-L #1662.

>

>Juanjo Pastor  
>C/San Roque, 4-1=BA  
>46460 Silla  
>SPAIN

>

>e-mail: ea5chq@wanadoo.es  
>Tel.: +034 96 120 17 67  
>Movil: 651 35 35 11

>

>

-----

Date: Fri, 20 Sep 2002 12:10:13 -0500

From: <stanw@toxsr.com>

To: <qrp-l@lehigh.edu>

Subject: [135627] Binaural Receivers anyone experimenting ?

Message-ID: <000501c260c8\$9863d3c0\$0364010a@toxsr.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Anyone experimenting with binaural reception ?

RE: KK7B work QST March 1999

Would be interesting to hear from someone who has built one of the Binaural

I-Q receiver on just how it compared.

de Stan ak0b

-----  
Date: Fri, 20 Sep 2002 17:16:16 +0100  
From: Chuck Adams <k7qo@earthlink.net>  
To: jaevans@codenet.net, qrp-1@lehigh.edu  
Subject: [135628] Re: Shears  
Message-ID: <5.1.0.14.0.20020920171012.00a0aca0@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:21 AM 9/20/02 -0600, you wrote:

>I solved this problem as well as the problem that the shear leaves marks  
>on each side of the bend.  
>Take some cereal box material (various thicknesses) and place a strip  
>along the line to be bent - this  
>will permit you to approach and even go beyond the 90 degrees angle as  
>well as save some of the  
>marking of the metal.

>72 - john - n0hj

John gets my vote for the #1 Hints-and-Kinks suggestion for the year!!!!

I knew why the strip marks occurred on the metal plate that was bent but hadn't really sat down and worked out the solution. I have spent many an hour using extra fine sandpaper and using an extra coat of primer on the cases made using the shear and aluminum plate material.

Thanks a million John.

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net  
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.



-----  
Date: Fri, 20 Sep 2002 09:15:43 -0400  
From: "Jim Stamper" <jstamper@shentel.net>  
To: <leon\_heller@hotmail.com>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135629] Re: A use for a can?  
Message-ID: <009301c260a7\$d3350f30\$0c606fcc@jim>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Back in the late 30's/early 40's QST had several home brew articles on  
"coffee can" rigs. Full sized tubes, of course. The coffee can rigs were  
kinda the ancestors of the tuna tins. Your can might be a good home for a  
tube rig with perhaps a 5763 final driven by a 12AY7 or something like it .  
. . or maybe make it an enclosure for a solid state VF0.

73,  
jim-  
KG4LDY

----- Original Message -----

From: "Leon Heller" <leon\_heller@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, September 20, 2002 7:51 AM  
Subject: A use for a can?

> Lyle's Golden Syrup, well-known for over 100 years in the UK for making  
> such  
> delicacies as steamed suet puddings (I like them with Bird's custard),  
> comes  
> in a cylindrical steel can with a tight (probably hermetic) steel lid. The  
> can looks ideal for a piece of radio-related equipment - just over 3" dia.  
> and 3" high.  
>  
> They look very attractive in the original Victorian green and gold colour  
> with a an interesting trade mark - a dead lion with bees buzzing round  
> having made a hive in the carcass, with the words: "Out of the strong came  
> forth sweetness". I think it's biblical.  
>  
> Has anyone got any clever ideas for things to put in it?  
>  
> Being round is a bit awkward, although it would mount nicely on a front

> panel screening a VF0, as KK7B did with his binaural Rx in the Handbook. A  
> wavemeter? A microwave cavity? A dummy load?  
>  
> 73, Leon  
> --  
> Leon Heller, G1HSM  
> leon\_heller@hotmail.com  
> [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
>

-----  
Date: Fri, 20 Sep 2002 13:19:36 -0400  
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>  
To: "'stanw@toxsor.com'" <stanw@toxsor.com>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135630] RE: Binaural Receivers anyone experimenting ?  
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D30830@ev008msxaege.ae.ge.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Bill Kelsey, Kanga USA sells them.

-----Original Message-----  
From: stanw@toxsor.com [mailto:stanw@toxsor.com]  
Sent: Friday, September 20, 2002 1:10 PM  
To: Low Power Amateur Radio Discussion  
Subject: Binaural Receivers anyone experimenting ?

Anyone experimenting with binaural reception ?

RE: KK7B work QST March 1999

Would be interesting to hear from someone who has built one of the Binaural  
I-Q receiver on just how it compared.

de Stan ak0b

-----  
Date: Fri, 20 Sep 2002 13:17:26 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: "Price, Brennan, N4QX" <N4QX@arrl.org>

Subject: [135631] RE: Binaural Receivers anyone experimenting ?  
Message-ID: <721D3436A7C2B344A301FD4A413C71A93D8F1C@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi, Stan,

I built the binaural receiver from the QST project and let me just say =  
that "I'm a believer." It really is cool to listen to a band that has =  
some "depth" to it.

The downside of the project is that there is no post-detection =  
filtering, so the bandwidth was really really wide. It was also not =  
"single-signal," meaning that as a simple, direct-conversion design, it =  
could hear a CW signal on either side of zero beat. I solve the =  
wideband problem with a 2 kHz audio low-pass filter, and it made a big =  
difference. I like the binaural effect; it would be interesting to see =  
how it plays in a narrower bandwidth.

BTW, the new Ten Tec Orion web page says:

"Ten-Tec's new Panoramic Stereo receive feature. Listening with stereo =  
headphones, you can turn PS receive on and hear signals in stereo. As =  
you tune across the band, signals move from one side through center to =  
the other side in your headphones. Better than so-called "binaural" =  
reception, this unique Ten-Tec feature can be used in SSB modes as well =  
as CW. You've got to hear it to believe it! "

It will be interesting to see how the QST Product Review treats this =  
feature.=20

73,=20

Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: stanw@toxosor.com [mailto:stanw@toxosor.com]

> Sent: Friday, September 20, 2002 1:10 PM

> To: Low Power Amateur Radio Discussion  
> Subject: Binaural Receivers anyone experimenting ?  
>=20  
>=20  
> Anyone experimenting with binaural reception ?  
>=20  
> RE: KK7B work QST March 1999  
>=20  
> Would be interesting to hear from someone who has built one=20  
> of the Binaural  
> I-Q receiver on just how it compared.  
>=20  
> de Stan ak0b  
>=20  
>=20  
>=20

-----  
Date: Fri, 20 Sep 2002 13:36:01 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-1@lehigh.edu  
Subject: [135632] RE: Binaural Receivers anyone experimenting ?  
Message-ID: <5.1.0.14.1.20020920133442.00a6ddb0@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ed,

Is that the scheme where audio goes through a lowpass filter to one ear,  
and a highpass filter to the other?

Dave

At 01:17 PM 9/20/2002 -0400, you wrote:

>Hi, Stan,  
>  
>I built the binaural receiver from the QST project and let me just say  
>that "I'm a believer." It really is cool to listen to a band that has  
>some "depth" to it.  
>  
>The downside of the project is that there is no post-detection filtering,  
>so the bandwidth was really really wide. It was also not "single-signal,"  
>meaning that as a simple, direct-conversion design, it could hear a CW  
>signal on either side of zero beat. I solve the wideband problem with a 2  
>kHz audio low-pass filter, and it made a big difference. I like the  
>binaural effect; it would be interesting to see how it plays in a narrower  
>bandwidth.

>  
>BTW, the new Ten Tec Orion web page says:  
>  
>"Ten-Tec's new Panoramic Stereo receive feature. Listening with stereo  
>headphones, you can turn PS receive on and hear signals in stereo. As you  
>tune across the band, signals move from one side through center to the  
>other side in your headphones. Better than so-called "binaural" reception,  
>this unique Ten-Tec feature can be used in SSB modes as well as CW. You've  
>got to hear it to believe it! "  
>  
>It will be interesting to see how the QST Product Review treats this feature.  
>  
>73,  
>Ed Hare, W1RFI  
>ARRL Lab  
>225 Main St  
>Newington, CT 06111  
>Tel: 860-594-0318  
>Internet: w1rfi@arrl.org  
>Web: <http://www.arrl.org/tis>  
>  
>  
>  
> > -----Original Message-----  
> > From: stanw@toxso.com [mailto:stanw@toxso.com]  
> > Sent: Friday, September 20, 2002 1:10 PM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: Binaural Receivers anyone experimenting ?  
> >  
> >  
> > Anyone experimenting with binaural reception ?  
> >  
> > RE: KK7B work QST March 1999  
> >  
> > Would be interesting to hear from someone who has built one  
> > of the Binaural  
> > I-Q receiver on just how it compared.  
> >  
> > de Stan ak0b  
> >  
> >  
> >

-----  
Electrical items never die, you see, I am merely unable to revive them with  
today's technology.  
-----

Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Fri, 20 Sep 2002 13:48:55 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135633] RE: Binaural Receivers anyone experimenting ?  
Message-ID: <721D3436A7C2B344A301FD4A413C71A91AC121@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

That sounds like the Ten Tec scheme. In the binaural receiver, the =  
demodulation occurs in quadrature, with each phase going to one ear. The =  
effect is not quite stereo, but it does give some spatial depth to what =  
is heard. It really does help pull a weak one out. What I especially =  
liked about it was that it really did seem to spread out QRN, making =  
signals easier to copy.

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

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and advertising. For more information about ARRL, go to =  
<http://www.arrl.org/news/features/inside-your-league.html>. For more =  
information about membership, go to <http://www.arrl.org/join.html>. Your =  
contribution can also help support ARRL's ongoing efforts to protect =  
Amateur spectrum. Go to =  
<https://www.arrl.org/forms/development/donations/basic/> to learn more =  
about the ways you can support the ARRL programs and activities of most =  
importance to you. You can help ARRL protect Amateur Radio for you and =  
future generations to enjoy.

> -----Original Message-----  
> From: David Hinerman [mailto:WD8CIV@worldnet.att.net]

> Sent: Friday, September 20, 2002 1:36 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Binaural Receivers anyone experimenting ?  
>=20  
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> Ed,  
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> Is that the scheme where audio goes through a lowpass filter=20  
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> and a highpass filter to the other?  
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> Dave  
>=20  
> At 01:17 PM 9/20/2002 -0400, you wrote:  
> >Hi, Stan,  
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> >I built the binaural receiver from the QST project and let=20  
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> >meaning that as a simple, direct-conversion design, it could=20  
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> >signal on either side of zero beat. I solve the wideband=20  
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> >BTW, the new Ten Tec Orion web page says:  
> >  
> >"Ten-Tec's new Panoramic Stereo receive feature. Listening=20  
> with stereo=20  
> >headphones, you can turn PS receive on and hear signals in=20  
> stereo. As you=20  
> >tune across the band, signals move from one side through=20  
> center to the=20  
> >other side in your headphones. Better than so-called=20  
> "binaural" reception,=20  
> >this unique Ten-Tec feature can be used in SSB modes as well=20  
> as CW. You've=20  
> >got to hear it to believe it! "

```
> >
> >It will be interesting to see how the QST Product Review=20
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> >
> >73,
> >Ed Hare, W1RFI
> >ARRL Lab
> >225 Main St
> >Newington, CT 06111
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> >Internet: w1rfi@arrl.org
> >Web: http://www.arrl.org/tis
> >
> >
> >
> > > -----Original Message-----
> > > From: stanw@toxosor.com [mailto:stanw@toxosor.com]
> > > Sent: Friday, September 20, 2002 1:10 PM
> > > To: Low Power Amateur Radio Discussion
> > > Subject: Binaural Receivers anyone experimenting ?
> > >
> > >
> > > Anyone experimenting with binaural reception ?
> > >
> > > RE: KK7B work QST March 1999
> > >
> > > Would be interesting to hear from someone who has built one
> > > of the Binaural
> > > I-Q receiver on just how it compared.
> > >
> > > de Stan ak0b
> > >
> > >
> > >
>=20
>=20
> -----
> Electrical items never die, you see, I am merely unable to=20
> revive them with=20
> today's technology.
> -----
> Dave Hinerman
> WD8CIV@worldnet.att.net
>=20
>=20
```



Date: Fri, 20 Sep 2002 13:54:17 -0400  
From: "Paul Christensen" <w9ac@arrl.net>  
To: <w1rfi@arrl.org>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135634] Re: Binaural Receivers anyone experimenting ?  
Message-ID: <001301c260ce\$bd82f180\$6401a8c0@se1.client2.attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> BTW, the new Ten Tec Orion web page says:

>  
> "Ten-Tec's new Panoramic Stereo receive feature. Listening with stereo  
headphones, you can turn PS receive on and hear signals in  
stereo. As you tune across the band, signals move from one side through center to  
the other side in your headphones. Better than  
so-called "binaural" reception, this unique Ten-Tec feature can be used in SSB  
modes as well as CW. You've got to hear it to believe  
it! "

Yaesu has incorporated binaural audio into all FT-1000/D/MP/MKV models. However,  
in order to take full advantage in this mode, one  
must constantly press one of the front panel memory buttons to keep both receivers  
tracking as VFO frequency is changed.

What I would like to know is what makes the Ten-Tec scheme better than "so-called  
binaural?" With the Yaesu scheme, its possible to  
change the audio phase relationship between ears. In the Orion, Ten-Tec may be  
artificially generating binaural audio from one  
receiver and phase synthesizing the output even though the Orion contains two  
receivers. If this is true, I doubt that it is better  
than binaural audio.

I do not recall how Rick Campbell creates binaural audio in the receiver from his  
QST construction article. Is it synthesized from  
one source or are two separate IF/audio strips employed?

-Paul, W9AC

-----  
Date: Fri, 20 Sep 2002 14:06:04 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135635] RE: Binaural Receivers anyone experimenting ?

Message-ID: <721D3436A7C2B344A301FD4A413C71A93D8F22@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

> I do not recall how Rick Campbell creates binaural audio in=20  
> the receiver from his QST construction article. Is it=20  
> synthesized from  
> one source or are two separate IF/audio strips employed?

The article is available at:

<http://www.arrl.org/members-only/tis/info/pdf/9903044.pdf>

Seeing as it is members-only and I am posting here, I will follow my =  
usual and offer a .pdf of it to anyone who emails me. =20

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: Paul Christensen [mailto:w9ac@arrl.net]  
> Sent: Friday, September 20, 2002 1:54 PM  
> To: Hare,Ed, W1RFI; Low Power Amateur Radio Discussion  
> Subject: Re: Binaural Receivers anyone experimenting ?  
>=20  
>=20  
> > BTW, the new Ten Tec Orion web page says:  
> >  
> > "Ten-Tec's new Panoramic Stereo receive feature. Listening=20  
> with stereo headphones, you can turn PS receive on and hear signals in  
> stereo. As you tune across the band, signals move from one=20  
> side through center to the other side in your headphones. Better than  
> so-called "binaural" reception, this unique Ten-Tec feature=20  
> can be used in SSB modes as well as CW. You've got to hear it=20  
> to believe  
> it! "  
>=20  
> Yaesu has incorporated binaural audio into all=20  
> FT-1000/D/MP/MKV models. However, in order to take full=20

> advantage in this mode, one  
> must constantly press one of the front panel memory buttons=20  
> to keep both receivers tracking as VFO frequency is changed.  
>=20  
> What I would like to know is what makes the Ten-Tec scheme=20  
> better than "so-called binaural?" With the Yaesu scheme, its=20  
> possible to  
> change the audio phase relationship between ears. In the=20  
> Orion, Ten-Tec may be artificially generating binaural audio from one  
> receiver and phase synthesizing the output even though the=20  
> Orion contains two receivers. If this is true, I doubt that=20  
> it is better  
> than binaural audio.  
>=20  
> I do not recall how Rick Campbell creates binaural audio in=20  
> the receiver from his QST construction article. Is it=20  
> synthesized from  
> one source or are two separate IF/audio strips employed?  
>=20  
> -Paul, W9AC  
>=20  
>=20  
>=20

-----  
Date: Fri, 20 Sep 2002 14:06:29 -0400  
From: Jake Brodsky <frussle@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135636] Re: Binaural Receivers anyone experimenting ?  
Message-ID: <ofomou8kdssq5aoej0sbhufu4mtu1d5tei@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

I remember reading many years ago about a scheme where someone built a  
splitter for two IF stages with two BFOs running simultaneously, one  
was 1 kHz below the CW filter and one was 1 kHz above the CW filter. =20

Each channel was then fed to one side of a set of stereo headphones.  
I recall the article pointing out that this resulted in excellent  
spacial discrimination between signals because only one frequency  
would appear in the center of the listener's head. Everything else  
would sound incoherent. =20

Obviously it was expensive to duplicate, so it never got popular. But  
I always thought that would be a cool thing to try in software some  
day...

73,  
=20

Jake Brodsky, <mailto:frussle@erols.com>  
"Nearly fifty percent of all graduates came from=20  
the bottom half of the class."

-----  
Date: Fri, 20 Sep 2002 14:16:48 -5  
From: "Bill Kelsey - N8ET - Kanga US" <[kanga@bright.net](mailto:kanga@bright.net)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [135637] Re: Binaural Receivers anyone experimenting ?  
Message-ID: <200209201814.g8KIELLJ019415@hagus.bright.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

>  
> I do not recall how Rick Campbell creates binaural audio in the receiver  
> from his QST construction article. Is it synthesized from one source or  
> are two separate IF/audio strips employed?

>  
> -Paul, W9AC

>  
>  
The KK7B design uses two R1 receivers side by side. They are both fed  
from the same L0, but one of the R1's is fed with a L0 signal that is 90  
degrees out of phase from the other. The resulting audio from each R1 is fed  
to separate sides of a stereo headset.

As W1RFI says - it spreads out the QRN (and all the signals). Switching  
from the monaural to binaural results in a noticeable change in the  
background noise. It sounds like you are "in" it, and any signal you hear is  
coming from a particular direction depending on it's tone, so you can ignore  
the sounds coming from all directions except the one you want to hear.

73 - Bill - N8ET  
Kanga US  
[kanga@bright.net](mailto:kanga@bright.net)  
<http://www.bright.net/~kanga/>  
419-423-4604

-----  
Date: Fri, 20 Sep 2002 14:16:36 -0400  
From: David Hinerman <[WD8CIV@worldnet.att.net](mailto:WD8CIV@worldnet.att.net)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)

Subject: [135638] Re: Binaural Receivers anyone experimenting ?  
Message-ID: <5.1.0.14.1.20020920140805.00a762d0@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>I do not recall how Rick Campbell creates binaural audio in the receiver  
>from his QST construction article. Is it synthesized from  
>one source or are two separate IF/audio strips employed?

Paul,

Campbell's receiver is a direct-conversion quadrature detector generating two audio signals that are identical except all frequencies in the passband are phase shifted 90 degrees from the other channel.

Human binaural hearing uses a time-difference-of-arrival (TDOA) method to determine the relative direction of a sound source that is audible to both ears. Since a constant phase shift across multiple frequencies means a varying delay (delay decreases as frequency goes up), human ears translate the delay into different apparent directions for different frequencies.

Also, since one audio channel (for example, the left) will lead in phase the other channel on one side of zero-beat, it will lag on the other side. So the same signal will "sound like" it's to the left of the operator on one side of zero-beat and to the right on the other side.

Dave

-----  
Electrical items never die, you see, I am merely unable to revive them with today's technology.  
-----

Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Fri, 20 Sep 2002 14:21:09 -0400  
From: "W2WU" <w2wurjj@verizon.net>  
To: <w5yr@att.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135639] MOBILE PWR/CONNECTORS  
Message-ID: <004901c260d6\$b43f2460\$71c2fea9@w2wu>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

All LMR installs are done using separate wiring, usually #6-10, (except ignition sense) directly to battery or high current fuse block. I fired techs who cheated. 73, Ron W2WU

----- Original Message -----

From: George, W5YR <w5yr@att.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: 20 September, 2002 11:27  
Subject: Re: Power Connector Ideas?

> Hate to disagree, Bill, but I have found that any radio equipment  
installed  
> in a vehicle should be connected directly to the battery terminals with  
> fuses in both lines.  
>  
> The fuse block is convenient and will work for light loads, but it can be  
a  
> source of noise, especially when considerable current is taken through it.  
>  
> I always use at least #10 and preferably #8 wire to the battery for all  
> mobile installations. Saves a lot of headaches . . .  
>  
> 73/72, George  
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
> Amateur Radio W5YR - the Yellow Rose of Texas  
> In the 57th year and it just keeps getting better!  
>  
>  
> W2EB wrote:  
> >  
> > Doc,  
> >  
> > Rather than pull new wires, consider using a tap on your existing  
> > fuse block. You can place the tap on a spare fuse and have a fused line  
> > without running any new wire.  
> >  
>

-----  
Date: Fri, 20 Sep 2002 11:54:37 -0700  
From: "Tracy Markham" <tracy@bytemark.com>  
To: "QRP-L" <qrp-l@lehigh.edu>, <w5yr@att.net>

Subject: [135640] RE: Power Connector Ideas?  
Message-ID: <GNEOLGDJDOPEALHJMKLCKEPKCLAA.tracy@bytemark.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Make sure you fuse BOTH lines when you do this!!!

If your radio or antenna is mounted to the chassis, and for some reason the battery - to - chassis ground goes weak, when you crank the vehicle the cranking amps go through the radio!!

Makes a neat pop and a bunch of smoke ...

The battery will act as a good filter when doing this. The only precaution is the two fuse issue ... must be done! When I was doing commercial two-way installation this was the only acceptable method for medium to high power radios, or any radio with interference issues.

Commercial vehicles frequently have grounding issues. When an install tech takes a shortcut on the return fuse, what a mess!

Tracy N4LGH

Hate to disagree, Bill, but I have found that any radio equipment installed in a vehicle should be connected directly to the battery terminals with fuses in both lines.

-----  
Date: Fri, 20 Sep 2002 14:07:47 -0500  
From: "Jerry Bartachek" <leadsheet@musician.org>  
To: qrp-l@lehigh.edu  
Subject: [135641] ANT: Supporting Portable Masts  
Message-ID: <20020920190747.38014.qmail@mail.com>  
Content-Type: text/plain; charset="iso-8859-15"  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit  
MIME-Version: 1.0

I'm contemplating some couch potato portable next spring (not backpacking... just driving to a public park). What are your favorite methods of supporting SD 20 poles and other telescopic masts?

I want a cheap, home made support. I thought about a 4 ft PVC pipe base with a tee at its bottom and 4 ft of pipe perpendicular to that pipe base plus 2 guys each 90 degrees away from the bottom tee "foot". I'd like to hear about your methods.

73,  
Jerry KD0CA  
QRP-L #544  
QRP ARCI #5166  
FISTS Club #7064

--

---

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<http://www.mail.com/?sr=signup>

---

Date: Fri, 20 Sep 2002 14:26:17 -0500  
From: "Tim, N9PUZ" <n9puz@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [135642] Re: ANT: Supporting Portable Masts  
Message-ID: <200209201919.0AA27651@steel.eosinc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-15"  
Content-Transfer-Encoding: quoted-printable

On Fri, 20 Sep 2002 14:07:47 -0500, Jerry Bartachek wrote:

>I'm contemplating some couch potato portable next spring (not  
>backpacking... just driving to a public park). =A0What are your  
>favorite methods of supporting SD 20 poles and other telescopic  
>masts?

Bungee chord, Velcro straps, or rope and just temporarily fasten=  
it to a fence post, picnic table, small tree, car bumper, etc.

Tim, N9PUZ  
<http://www.qsl.net/n9puz>

---

Date: Fri, 20 Sep 2002 16:04:32 -0400



From: "KB0VCC" <kb0vcc@adelphia.net>  
To: <qrp-l@lehigh.edu>  
Subject: [135643] Re: 144Mhz CW  
Message-ID: <001d01c260e0\$f0176100\$6601a8c0@dalenotebook>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>  
>144.0 TO 144.1 are designated for cw only on two meters. No SSB, no digital.  
>  
>HOWEVER, the only cw activity that you might find in that range is EME  
>(moonbounce). Most real cw operation on two meters occurs within 20 khz of  
>the two meter calling frequency of 144.2. You will often hear CQ's being  
>made right on 144.2.  
>

That brings up a good point. When I first started listening to the 2m sub-bands, I erroneously thought it was a free-for-all, as the activity didn't follow the ARRL's plan. But with careful listening, I've observed that there IS a band plan. The TRUE band-plan for 2m is one that is undocumented, but understood only by the esoteric denizens of that band. This feature isn't restricted to the non-FM segments either! For example, I can occasionally hear a repeater in Dartmouth, MA (KB1BWN). Its output is on 146.445 (A SIMPLEX FREQ!) while its input is on 147.445 (HUH? That's 1-MHz offset! -and also in a simplex window!). So much for standards. What good is declaring simplex freqs if you're going to place repeaters on them?

My point, is that it seems that at least for HF, the ARRL band-plans are followed pretty closely, but with 2m, the ops follow their OWN plan. I think the ARRL needs to rewrite the 2m plan to reflect what the op's are really doing, and while they're at it, maybe add some more detail to the plan to include more digital modes such as PSK31. Maybe I am mistaken about all this, but my experience suggests otherwise.

72/73,  
Dale

```
=====
Dale Anderson, KB0VCC      In the Mt Washington Valley
QRP-L #91 / CQC #251       Conway, New Hampshire
ARS #234 / FISTS #3172     Grid Sq: FN43kx
QRP-NE #600                http://www.qsl.net/kb0vcc
```

-----  
Date: Fri, 20 Sep 2002 16:05:53 -0400  
From: "W2WU" <w2wurjj@verizon.net>  
To: "Scot Fahey" <commboss@lcc.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135644] Re: [Milsurplus] What is it with some of these European guys?  
Message-ID: <001801c260e1\$2d914b40\$71c2fea9@w2wu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

DUMB NATO / U.N. or Really stupid U.S. Surplus sales MOVE?  
Lack of English language command? 73, Ron W2WU  
----- Original Message -----  
From: Scot Fahey <commboss@lcc.net>  
To: David Stinson <arc5@ix.netcom.com>; Milsurplus New mailman  
<milsurplus@mailman.qth.net>  
Sent: 20 September, 2002 15:26  
Subject: Re: [Milsurplus] What is it with some of these European guys?  
<SNIP>

> I am ex-USN CTM, so I can not figure how this euro crowd has USA crypto  
> units to start with. I am not sending him the instructions.  
> go figure  
> Scot E Fahey  
> <SNIP>

-----  
Date: Fri, 20 Sep 2002 16:14:03 -0400  
From: "W2WU" <w2wurjj@verizon.net>  
To: <kb0vcc@adelphia.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135645] Re: 144Mhz CW  
Message-ID: <002001c260e2\$4842adc0\$71c2fea9@w2wu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Is that 1 MHz. offset repeater coordinated? It may be grandfathered or coordinator didn't realize band plan. Moreover, are you hearing skip? 73 Ron W2WU

----- Original Message -----

From: KB0VCC <kb0vcc@adelphia.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: 20 September, 2002 16:04

Subject: Re: 144Mhz CW

> >144.0 TO 144.1 are designated for cw only on two meters. No SSB, no digital.

> ><SNIP>

> >For example, I can occasionally hear a repeater in Dartmouth, MA (KB1BWN). Its output is on 146.445 (A SIMPLEX FREQ!) while its input is on 147.445 (HUH? That's 1-MHz offset! -and also in a simplex window!).

> 72/73,

> Dale

-----  
Date: Fri, 20 Sep 2002 15:19:08 -0500

From: Dave Sjolín <sjolin@swbell.net>

To: kb0vcc@adelphia.net, Qrp-1 Reflector <qrp-1@lehigh.edu>

Subject: [135646] Re: 144Mhz CW

Message-ID: <04a501c260e2\$fa2f1460\$c0cfd840@DaveSjolin>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

The screwy repeater is probably a repeater grandfathered by Iowa repeater council figuring what damage is it going to do in cow country. (poor attempt at joke - sorry).

I know there are frequencies for PSK31 and AM and all sorts of speciality modes on six meters. Less so on two. There is a frequency for HSCW (near 144.1) and another for WSJT (144.14??).

Much more discussion of this topic on the Vhf Weak Signal Reflector.

73 de Dave, N0IT

----- Original Message -----

From: "KB0VCC" <kb0vcc@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, September 20, 2002 3:04 PM  
Subject: Re: 144Mhz CW

> >  
> >144.0 TO 144.1 are designated for cw only on two meters. No SSB, no  
digital.  
> >  
> >HOWEVER, the only cw activity that you might find in that range is EME  
> >(moonbounce). Most real cw operation on two meters occurs within 20 khz  
of  
> >the two meter calling frequency of 144.2. You will often hear CQ's being  
> >made right on 144.2.  
> >  
>  
> That brings up a good point. When I first started listening to the 2m  
> sub-bands, I erroneously thought it was a free-for-all, as the activity  
didn't  
> follow the ARRL's plan. But with careful listening, I've observed that  
> there IS a band plan. The TRUE band-plan for 2m is one that is  
undocumented,  
> but understood only by the esoteric denizens of that band. This feature  
isn't  
> restricted to the non-FM segments either! For example, I can occasionally  
> hear a repeater in Dartmouth, MA (KB1BWN). Its output is on  
> 146.445 (A SIMPLEX FREQ!) while its input is on 147.445 (HUH? That's  
> 1-MHz offset! -and also in a simplex window!). So much for standards.  
What  
> good is declaring simplex freqs if you're going to place repeaters on  
them?  
>  
> My point, is that it seems that at least for HF, the ARRL band-plans  
> are followed pretty closely, but with 2m, the ops follow their OWN plan.  
> I think the ARRL needs to rewrite the 2m plan to reflect what the op's  
> are really doing, and while they're at it, maybe add some more detail to  
the  
> plan to include more digital modes such as PSK31. Maybe I am mistaken  
> about all this, but my experience suggests otherwise.  
>  
> 72/73,  
> Dale  
>  
> =====  
> Dale Anderson, KB0VCC            In the Mt Washington Valley  
> QRP-L #91 / CQC #251            Conway, New Hampshire  
> ARS #234 / FISTS #3172          Grid Sq: FN43kx  
> QRP-NE #600                      <http://www.qsl.net/kb0vcc>  
>

>  
>  
>  
>  
>  
>

-----  
Date: Fri, 20 Sep 2002 13:50:32 -0700  
From: Brian Bowman <bowman@amgen.com>  
To: qrp-l@lehigh.edu  
Subject: [135647] Re: Icom IC-V8 HT Question  
Message-ID: <3D8B8A18.6E4AB342@amgen.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I listen to mine while it is in the charger... haven't yet tried to transmit in that position.

Brian in Agoura Hills, CA  
WD0HBG

-----  
Date: Fri, 20 Sep 2002 17:01:40 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [135648] Unscheduled CQ with Rock-Mite-20 at 30 mW out...ANSWERED!  
Message-ID: <F102HucVXqxsD1Ty9CM000012f4@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Please forgive my child-like enthusiasm, gang.  
But each time I reach a new(for me) milestone in this QRPP game, I'm afraid I'll just have to tell you guys about it...

This afternoon(left work early), I threw out a CQ...won't even mention the exact freq anymore to avoid any appearance of a 'setup'...with the Rock-Mite-20 running 30 milliwatts out.

To my utter amazement, I received an immediate answer from KI5UK, Harry, in Tunica, MS...575 mi, as the crow flies.  
But that's not what floored me, no, no, no...

In my initial xmsn after the QSO was established, I told Harry the usual plus my rig and power.  
When I turned it over to Harry, he said "RST 599 599 GRT QRP SGNL" !  
Harry & I even exchanged fists numbers...that reminds me...I need to re-up with fists and send some SASEs to the fists bureau...  
Think I need to send SASEs to ARRL QSL bureau as well. I'm so bad :(

Last night's 30 mW RM-20 QSO was also with a fists member, KD5GRF, Carl in Argyle, TX...Carl & I also xchngd fists numbers and the DX of that QSO was 980 mi, as the crow flies...I use 'Cowan, VA' as my location for looking up QSO distances 'cause it's the absolute nearest reference I can find in this part of Pulaski County, Virginia that the 'How far is it' website knows about...I think Cowan was a whistle-stop for the old Norfolk & Western railway and is located just up-river (New River) from this QTH.

Listenin' to 20 right now and it's teeming with sigs...good sigs!

73.  
Bill, N4QA  
<http://www.qsl.net/n4qa/>

---

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<http://www.hotmail.com>

-----

Date: Fri, 20 Sep 2002 14:28:23 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [135649] Re: A use for a can?  
Message-ID: <MABBJ0EAB0ILMKCJCLFCGEKLDJAA.n6wg@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Leon  
In the "old" days, you would use cans like that to shield coils. You would make a hole in the lid, bolt the lid down on the chassis covering a hole for the coil wiring to pass through, then push the can down on the lid to cover the coil.  
73, Bob N6WG

-----

Date: Fri, 20 Sep 2002 17:30:10 -0400  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <wb8rcr@arrl.net>  
Cc: <qrp-1@lehigh.edu>  
Subject: [135650] Re: Shears  
Message-ID: <000b01c260ec\$e5f3be60\$07633018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

RS PCB material does crumble, it is no fault of your nibbler. I've found the same using a Niagara kick shear, the RS board simply crumbles. G10 does not, but it is rough on blades.

72

Howard Kraus, K2UD  
----- Original Message -----  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, September 20, 2002 7:00 AM  
Subject: Re: Shears

> I shouldn't admit this ...  
>  
> I use a Radio Shack nibbler for cutting pads. It doesn't work worth a darn  
> on Radio Shack copperclad, which just crumbles, but on good G-10 board,  
> especially thin board, it works quite well. It cuts small, rectangular pads  
> that I have gotten to like. I find that if I use the really thin material  
> there's isn't such a large height difference between the ground ends and the  
> non-ground ends, and it works quite well. In spite of very little clearance  
> to the substrate, I've had no problem with solder bridges. Since the pads  
> are quite small, I don't think I'm suffering from a lot of extra  
> capacitance.  
>  
> I actually use a small jig saw for cutting boards. It is pretty astonishing  
> how quickly a harmless looking piece of copperclad can demolish a blade,  
> though. It's pretty much 1 circuit board = 1 blade.  
>  
> 72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>

> didileydadidah       QRP-L #1446 Code Warriors #35  
>  
>  
>  
> ----- Original Message -----  
> From: "Richard Johnson" <richard\_johnson@credence.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Thursday, September 19, 2002 8:59 PM  
> Subject: Shears  
>  
>  
> > Group,  
> > I am looking for a small desk top, lever operated shear to cut blank PCB  
> > material nice and clean.  
> >  
> > Any one know a web site to buy such a thing.  
> > Or how do you cut pcb for Manhattan style construction.  
> >  
> > cheers,  
> > rich  
> >  
>

-----  
Date: Fri, 20 Sep 2002 17:54:43 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <tracy@bytemark.com>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135651] Re: Power Connector Ideas?  
Message-ID: <009101c260f0\$561db440\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Tracy Markham" <tracy@bytemark.com>

> Make sure you fuse BOTH lines when you do this!!!  
>  
> If your radio or antenna is mounted to the chassis, and for some reason  
the  
> battery - to - chassis ground goes weak, when you crank the vehicle the  
> cranking amps go through the radio!!  
>



> Tracy N4LGH

VERY true!

Most people think it takes a failure of the engine ground strap to cause a problem. But consider, there are current pulse almost 4 digits in magnitude. How much 'weakness' in the ground strap does it take at 1000amp to cause a problem? Answer: Not much!

For that reason, I DON'T ground to the battery. If your vehicle has a MANUFACTURER RECOMMENDED common ground point somewhere on the chassis, try to use that if you can get at it. (There were 3 'ground points' in my Intrepid. One was actually in the trunk, designed for the optional Infinity high power spatial sound system. Since I remote mounted my DR-590, grounding at the trunk point was convenient and simple.)

Then grounding issues are NOT going to be a problem, and you can run WITHOUT the fuse in the ground line. But take the radio (+) directly to the battery and FUSE it at the battery.

Mike

-----  
Date: Fri, 20 Sep 2002 14:58:52 -0700  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: <k8cv@netzero.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135652] Re: Antennas .....  
Message-ID: <005d01c260f0\$e900da80\$7b7579a5@tjnotebook>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I couldn't agree more Walt! That's what I use for antenna wire also. IMHO that's one place that you don't want to use the wrong wire just to save a few pennies. COPPER COPPER COPPER! Unless you're Bill Gates and can afford GOLD, Hi!

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>

-----  
Date: Fri, 20 Sep 2002 17:44:37 -0400  
From: Rick McKee <kc8aon@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [135653] Re: OT: Antennas .....  
Message-ID: <20020920.175119.8990.2.kc8aon@juno.com>

Don't forget plain ole insulated automotive primary wire for antennas !  
It's stranded, easy to work with, comes in different colors and guages,  
and you can get it any auto parts house. My 40 meter extended double  
zepp is made from the 12 guage type stuff !

72/73 DE: [K] [C] [8] [A] [O] [N]  
Rick McKee  
Willow Wood, Ohio  
QRP- do more with less !  
QRP-L #2112, FPqrp #33, AR QRP #269

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-----  
Date: Fri, 20 Sep 2002 18:47:59 -0400  
From: "W2WU" <w2wurjj@verizon.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [135654] OT FROM NASA Fw: Mystery Object Orbits Earth  
Message-ID: <002001c260f7\$d2694c60\$71c2fea9@w2wu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: NASA Science News <snglist@snglist.msfc.nasa.gov>  
To: NASA Science News <snglist@snglist.msfc.nasa.gov>  
Sent: 20 September, 2002 15:12  
Subject: Mystery Object Orbits Earth

> NASA Science News for September 20, 2002  
>  
> A puzzling object that recently entered Earth orbit appears set to leave  
> again soon. What is it? Researchers believe it's an Apollo rocket on a  
> fantastic journey through the solar system.  
>  
> FULL STORY at  
>  
> [http://science.nasa.gov/headlines/y2002/20sep\\_mysteryobject.htm?list845440](http://science.nasa.gov/headlines/y2002/20sep_mysteryobject.htm?list845440)  
>  
><SNIP>>  
> This is a free service.  
> <SNIP>  
> If you need to get in touch with us directly, please go to  
> <http://science.nasa.gov/comments>  
>  
> Home page: <http://science.nasa.gov>  
73 Ron W2WU

-----  
Date: Fri, 20 Sep 2002 18:36:18 -0400  
From: "W2WU" <w2wurjj@verizon.net>  
To: <K2UD@adelphia.net>,  
    "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [135655] RS PCB  
Message-ID: <001f01c260f7\$d1d23c80\$71c2fea9@w2wu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Isn't RS PCB made from pressed material, (sawdust) not fiberglass? W2WU  
----- Original Message -----  
From: Howard Kraus <K2UD@adelphia.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: 20 September, 2002 17:30  
Subject: Re: Shears

> RS PCB material does crumble, it is no fault of your nibbler. I've found  
> the same using a Niagara kick shear, the RS board simply crumbles. G10  
does  
> not, but it is rough on blades.  
>  
> 72

><snip>

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End of QRP-L Digest 2684

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